

# REMEDIAL ACTION QUARTERLY MONITORING REPORT

**SECOND QUARTER – 2006 (12 of 120)** 

## SKINNER LANDFILL SITE BUTLER COUNTY WEST CHESTER, OHIO

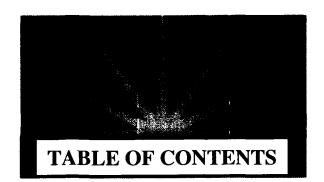
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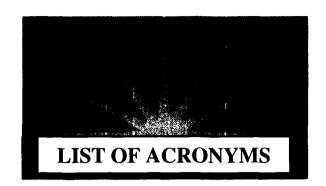




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#### LIST OF ACRONYMS

AMP Air Monitoring Plan

AOC Administrative Order on Consent

ARAR Applicable or Relevant and Appropriate Requirements

BMR Baseline Monitor Report

BCDES Butler County Department of Environmental Services

bgs Below Ground Surface

BZ Breathing Zone

CD&D Construction Debris and Demolition Waste

CERCLA Comprehensive Environmental Response, Compensation and Liability

Act

CGI Combustible Gas Indicator

CHSD Corporate Health and Safety Director
CIP Construction Implementation Plan
CLP Contract Laboratory Program
cm/sec Centimeters Per Second
CO Carbon Monoxide

CP Contingency Plan
CQA Construction Quality Assurance

CQAC Construction Quality Assurance Consultant

CRZ Contamination Reduction Zone
CRQL Contract Required Quantitation Limit
CSDI Contaminated Soils Design Investigation

CY Cubic Yard CZ Control Zone

DSW Division of Surface Water (OEPA)
DSR Division Safety Representative
EPA Environmental Protection Agency

EZ Exclusion Zone

FID Flame Ionization Detector

FML Flexible Membrane Liner (low density polyethylene)

FSP Field Sampling Plan FTB Film Tearing Bond

ft Feet

ft/sec Feet Per Second

GCL Geosynthetic Clay Layer

GCAL Gulf Coast Analytical Laboratories Inc.
GIS Groundwater Interceptor System

gpd Gallons Per Day gpm Gallons Per Minute

GWDI Groundwater Design Investigation

HAP Hazardous Air Pollutant
HASP Health and Safety Plan
HDPE High-Density Polyethylene
HSM Health and Safety Manager

IDLH Immediately Dangerous to Life or Health



IRM Interim Remedial Measures

kg/d Kilograms Per Day lb/day Pounds Per Day LEL Lower Explosion Limit

LF Lineal Feet

LLDPE Linear Low-Density Polyethylene

μ Micron

μg/l Microgram per Liter
MSL Mean Sea Level

NIOSH National Institute for Occupational Safety and Health

NO<sub>x</sub> Oxides of Nitrogen

NWI National Wetland Inventory

 $O_3$  Ozone

OAC Ohio Administrative Code

ODNR Ohio Department of Natural Resources
OEPA Ohio Environmental Protection Agency

ORC Ohio Revised Code

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit
PID Photoionization Detector

PLC Programmable Logic Controller
PM-10 Particulate Matter less than 10 microns

PRP Potentially Responsible Party

PPE Personal Protective Equipment
psi Pounds Per Square Inch
PQL Practical Quantitation Limit
QAPP Quality Assurance Project Plan

QA Quality Assurance
QC Quality Control

RCRA Resource Conservation and Recovery Act

RA Remedial Action RD Remedial Design

RHSS Regional Health & Safety Specialist
RI/FS Remedial Investigation/Feasibility Study

ROD Record of Decision

RPM Remedial Project Manager (USEPA)

RPO Resident Project Observer

SI Site Inspection SF Square Feet

SLWG Skinner Landfill Work Group

SO<sub>2</sub> Sulfur Dioxide

SOP Standard Operating Procedure

SOW Statement of Work

SPCC Spill Prevention Control and Counter Measure Plan

SSO Site Safety Officer
SVE Soil Vapor Extraction

SVOC Semi-Volatile Organic Compound

SZ Support Zone



TAL Target Analyte List
TCL Target Compound List
TDH Total Dynamic Head
TLV Threshold Limit Values
TSS Total Suspended Solids
TWA Time Weighted Average

USACE United States Army Corps of Engineers

USEPA United States Environmental Protection Agency

USFWS United States Fish and Wildlife Services

USGS United States Geological Survey VOC Volatile Organic Compound

yr Year

WBGT Wet Bulb Globe Temperature

WZ Work Zone



#### 1.0 INTRODUCTION

#### 1.1 GENERAL INFORMATION

This quarterly monitoring report was prepared for the Skinner Landfill Superfund Site located in West Chester, Butler County, Ohio in accordance with the Operation and Maintenance - Long-Term Performance Plan (O&M-LTP Plan) dated August 2003. The O&M-LTP Plan was prepared to meet the requirements of the Record of Decision (ROD) dated June 4, 1993, the Statement of Work (SOW) dated April 6, 1994, the 100% Final Remedial Design dated June 21, 1996 and the Consent Decree dated April 7, 2001.

The remedial action (RA) post-construction O&M monitoring period began with the third quarter of 2003 and extends for a period of 30 years. This report documents the results of groundwater and surface water monitoring conducted during the second quarter of 2006, which is the 12th of 120 quarterly sampling events to be conducted during the 30-year monitoring period.

#### 1.2 SITE LOCATION AND DESCRIPTION

Skinner Landfill is located approximately 15 miles north of Cincinnati, Ohio near West Chester, Butler County, Ohio in Township 3, Section 22, Range 2. The site is located along Cincinnati-Dayton Road, as shown in Figure 1. The site is bordered on the south by the East Fork of Mill Creek, on the north by wooded land, on the east by a Norfolk Southern Railway Company right-of-way, and on the west by a gravel driveway.

The site is located in a highly dissected area that slopes from a till-mantled-bedrock upland to a broad, flat-bottomed valley that is occupied by the main branch of Mill Creek. Elevations on the site range from a high of nearly 800 feet above mean sea level (MSL) in the northeast, to a low of 645 feet above MSL near the confluence of Skinner Creek and East Fork of Mill Creek. Both Skinner Creek and the East Fork of Mill Creek are small, intermittent shallow streams. Both of these streams flow to the southwest from the site toward the main branch of Mill Creek.

In general, the site is underlain by relatively thin glacial drift over inter-bedded shale and limestone of Ordovician age. The composition of the glacial drift ranges from intermixed silt, sand and gravel, to silty sandy clays with a thickness ranging from zero to over forty feet. The sand and gravel deposits comprise the hills and ridges and are encountered near the surface of the central portion of the site. The silts and clays usually occur as lenses in the sands and gravel or directly overlie bedrock.

#### 1.3 SITE HISTORY AND BACKGROUND

The property was originally developed as a sand and gravel mining operation and was subsequently used as a landfill from 1934 to 1990. According to USEPA studies, materials deposited at the site include demolition debris, household refuse and a wide variety of chemical wastes. The waste disposal areas include a now buried former waste lagoon near the center of the site and a landfill. According to USEPA studies, the buried lagoon was used for the disposal of paint wastes, ink wastes, creosote, pesticides, and other chemical wastes. The landfill area, located north and northeast of the buried lagoon, received predominantly demolition and landscaping debris.

In 1976, the Ohio EPA (OEPA) initiated an investigation of the site. In 1982, the site was placed on the National Priority List by the USEPA based on information obtained during a limited investigation of the



site. A Phase II Remedial Investigation was conducted from 1989 to 1991 and involved further investigation of groundwater, surface water, soils and sediments. Both a Baseline Risk Assessment and Feasibility Study (FS) were completed in 1992.

The Phase II Remedial Investigation revealed that the most contaminated media at the site is the soil in the buried waste lagoon. Migration of the landfill constituents has been limited, and the Phase II Remedial Investigation concluded that there had been no off-site migration of landfill constituents via groundwater flow.

In the Record of Decision (ROD), dated June 4, 1993, the USEPA selected a remedy for the site consisting of multi-media capping of the landfill and the buried waste lagoon, and collection and treatment of the groundwater. The ROD also required an investigation to determine the feasibility for soil vapor extraction (SVE) in the granular soil adjacent to the buried lagoon.

The Remedial Design (RD) Investigation performed in 1994 was implemented to collect data required to assess the feasibility of the SVE and to design the multi-media cap and the groundwater extraction/treatment systems. The Remedial Design was submitted to USEPA on June 21, 1996 outlining the cover design and groundwater interception system design. Based on the RD investigation, the installation of an SVE system was determined to be unfeasible.

Construction of a groundwater interception system (GIS) and engineered landfill cover system began in April 2001 and was substantially completed in September 2001. The USEPA conducted the pre-final construction inspection on September 27, 2001, the final construction inspection on March 27, 2003 and the second 5-Year Review on January 22, 2004.

#### 2.0 <u>SAMPLING METHODS</u>

This quarterly monitoring event was conducted in general accordance with the following documents shown with the date of the USEPA-approved final version:

- Operation and Maintenance Long-Term Performance Plan (O&M-LTP Plan) dated August 2003, and
- RA Health and Safety Plan, Final February 2001.

There were no deviations from these work plans.

#### 3.0 **RESULTS**

#### 3.1 GROUNDWATER LEVELS

The groundwater elevation data obtained from the monitor wells, piezometers and selected gas probes is presented on Table 1 with the corresponding potentiometric surface map provided in Appendix A. The groundwater hydraulic gradient calculated from data collected was 0.09 ft/ft. The average hydraulic gradient documented in the Remedial Action Baseline Monitoring Report, dated March 2005, is calculated to be 0.13 ft/ft.



#### 3.2 GROUNDWATER-WASTE MONITORING

Results of the piezometer groundwater levels used to monitor the groundwater levels relative to bottom of waste are provided on Table 2. Based on measured water levels, groundwater has been lowered below the waste elevation during this monitoring event at piezometer P-12, which is one of the piezometers furthest from Duck Pond. Depth to water measurements could not be recorded from piezometers P-9, P-10 and P-11 due to an obstruction or possible pinching of the well casing.

#### 3.3 GROUNDWATER ANALYTICAL RESULTS

A summary of target compound list (TCL) and target analyte list (TAL) parameter concentrations encountered above the contract required quantitation limit (CRQL) and revised modified trigger level is provided on Table 3. A summary of the laboratory analytical results have been presented on a per well basis in Appendix B to assist in identifying temporal detection patterns. A report of each data set reduction, validation and assessment procedure conducted on an analytical-set basis in accordance with the O&M-LTP Plan quality assurance project plan (QAPP) is included in Appendix C.

In general, target compound list volatiles, semi-volatiles, pesticides and PCBs were not detected in groundwater above the CRQL.

During the previous groundwater monitoring event, samples collected from groundwater monitoring wells GW-61, GW-62B and from GW-64 contained concentrations of 2-butanone that exceeded the CRQL. However, during the most recent groundwater monitoring event, concentrations of 2-butatone were not detected at these sample locations.

Two of the 24 TAL parameters that have a corresponding trigger level were detected above the CRQL. Concentrations of barium and iron were detected in the groundwater samples collected from monitoring wells GW-06R and 58. Iron was also detected in the samples collected from groundwater monitoring wells GW-61 and GW-63. The barium and iron concentrations exceed the CRQL at these locations, but do not exceed the revised modified trigger levels.

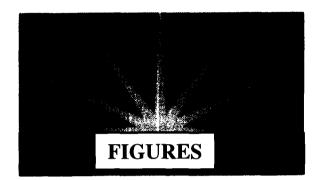
#### 3.4 SURFACE WATER ANALYTICAL RESULTS

Surface water analyzed consisted of surface water collected directly from the East Fork of Mill Creek. Surface water runoff samples for the Site were not able to be collected during this quarter due to an inadequate water flow. On June 20 and 23, 2005, visits were made to the site after qualifying rain fall events. However, the sample locations did not yield the necessary volume of water to collect samples.

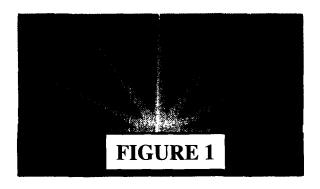
A summary of TCL and TAL parameter concentrations encountered above the CRQL and revised modified trigger level is provided on Table 4. A summary of surface water laboratory analytical results is presented in Appendix B. The summary tables are presented on a sample location basis. The validated laboratory analytical data is provided in Appendix C

In general, target compound list volatiles, semi-volatiles, pesticides and PCBs were not detected in surface water above the CRQL. None of the 24 TAL parameters, that have a corresponding trigger level, were detected above the CRQL.



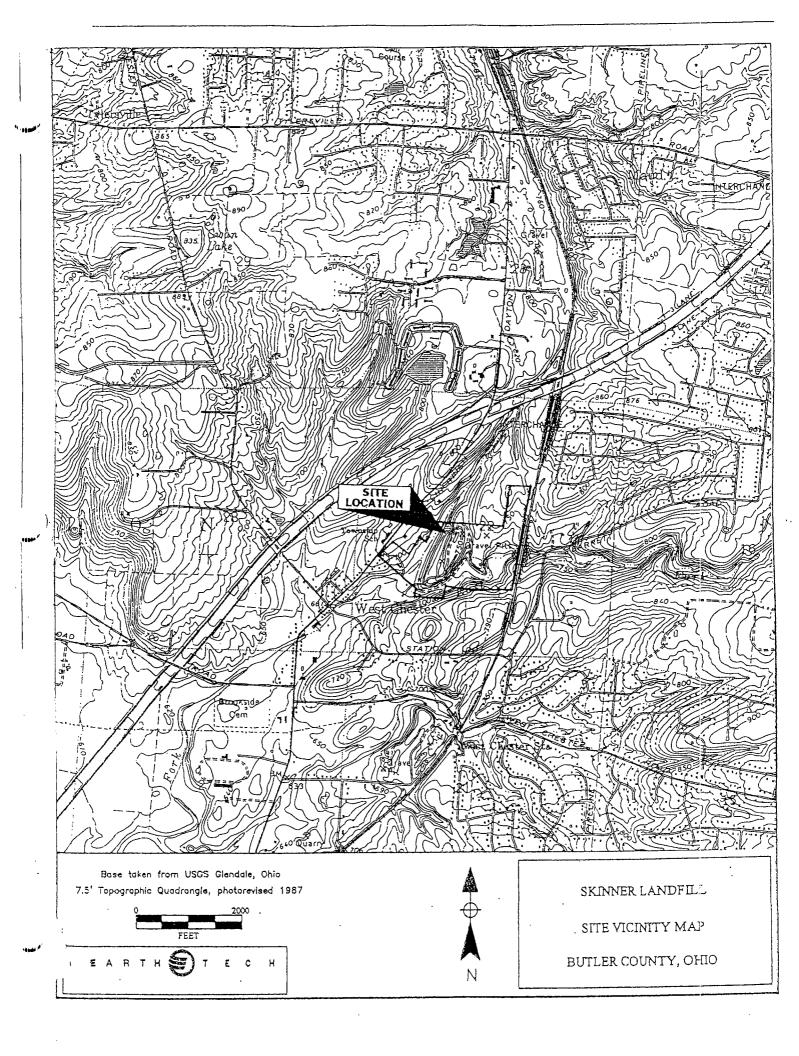


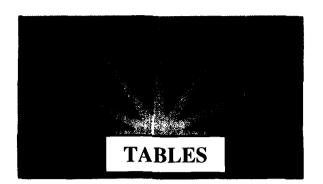




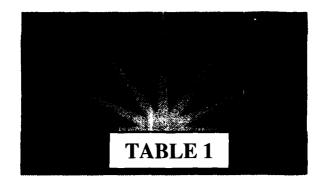
## SITE VICINITY MAP











## GROUNDWATER ELEVATIONS



### TABLE 1

### **Groundwater Elevation Summary**

### Skinner Landfill West Chester, Ohio

					June 13, 2006			
Well Type	Location	Well Use	Ground Surface Elevation (MSL-feet)	Top of Casing Elevation (MSL-feet)	Depth to Water (feet from top of casing)	Groundwater Elevation (MSL-feet)		
	P-1	G	685.42	687.65	10.87	676.78		
	P-2	G	688.54	690.42	12.91	677.51		
	P-3R	G	691.83	693.69	25.28	668.41		
	P-4	G	700.32	702.63	6.90	695.73		
	P-5	G	708.20	710.65	14.14	696.51		
D:	P-6	G	707.45	710.59	12.20	698.39		
Piezometers	P-7	G	719.08	721.83	Dry	Dry		
	P-8	G	747.70	749.91	30.50	719.41		
	P-9	G	760.68	763.90				
	P-10	G	761.34	764.16				
	P-11	G	760.34	762.76				
	P-12	G	743.50	746.17	40.60	705.57		
	GW-06R	S	683.89	685.91	10.11	675.80		
	GW-07R	s	683.46	683.06	7.68	675.38		
	GW-24	G	693.32	695.21	18.95	676.26		
	GW-26	G	696.61	698.28	30.06	668.22		
	GW-30	G	675.63	677.62	9.94	667.68		
	GW-58	s	684.03	686.53	13.56	672.97		
	GW-59	s	684.35	687.38	7.44	679.94		
Groundwater Monitoring Wells	GW-60	s	689.12	692.38	13.65	678.73		
Monitoring wens	GW-61	s	687.38	690.86	13.55	677.31		
	GW-62A	s	690.19	692.38	30.84	661.54		
	GW-62B	s	690.57	693.13	12.36	680.77		
	GW-63	s	698.87	702.50	10.32	692.18		
	GW-64	s	700.45	703.88	12.23	691.65		
	GW-65	s	703.83	706.88	16.79	690.09		
	GW-66	G	686.82	689.41	8.14	681.27		
Can Dashan	GP-6	G	772.18	774.65	15.48	759.17		
Gas Probes	GP-7	G	749.83	752.65	9.40	743.25		

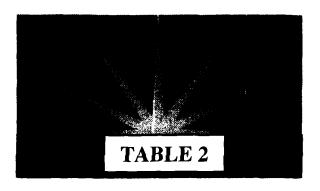
#### Notes:

MSL - Mean Sea Level

G - Gauging

S - Sampling and Gauging

-- No Gauging Data Available (well constricted)



## GROUNDWATER/WASTE ELEVATIONS



#### TABLE 2

#### **Groundwater-Waste Monitoring Summary**

#### Skinner Landfill West Chester, Ohio

Piezometer	Depth to Waste (feet)	Bottom of Waste Elevation (MSL-feet)	Baseline Water Elevation (June 2001) (feet)	Water Elevation (September 2005) (feet)	Water Elevation (December 2005) (feet)	Water Elevation (March 2006) (feet)	Water Elevation (June 2006) (feet)
P-9	25	737	745.00	THE RESERVE	-		
P-10	30	734	744.50				
P-11	17	745	744.30	734.01			
P-12	35	707	713.50	704.74	704.98	706.25	705.75

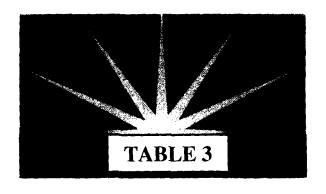
#### Notes:

Waste elevations determined during piezometer installation on June 28 and 29, 2001.

Shaded cells indicate water level elevations below the elevation of waste.

- No gauging data available (well constricted).





## GROUNDWATER RESULTS SUMMARY



#### Table 3

#### **Groundwater Summary**

#### Skinner Landfill West Chester, Ohio Second Quarter 2006

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
GW-06R	-	-	Barium, Iron	-
GW-07R	-	-	<u> </u>	-
GW-58	-	-	Barium. Iron	-
GW-59	-	-	-	-
GW-60		-	*	
GW-61	-	T - T	Iron	-
GW-62A	-	-	-	-
GW-62B	*	*	*	*
GW-63	-	-	Iron	-
GW-64	-	-	<u>-</u>	
GW-65	*	*	*	*

- all parameters below report limits

italic - above Contract Required Quantitation Levels (CRQL's)

#### bold - above trigger level

- \* Insufficient sample volume.
- \*\* Dissolved metals for analytes that have a corresponding trigger level.





## SURFACE WATER RESULTS SUMMARY



#### Table 4

### **Surface Water Summary**

### Skinner Landfill West Chester, Ohio Second Quarter 2006

Sample ID	VOCs SVOCs Dissolved M		Dissolved Metals**	Pesticides/PCBs
SW-50	-	-	-	-
SW-51	-	-	-	-
SW-52	-	-	-	-
SWD-1	*	*	*	*
SWD-2	*	*	*	*
SWD-3	*	*	*	*

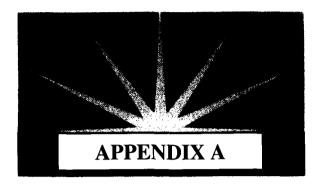
<sup>-</sup> all parameters below report limits

italic - above Contract Required Quantitation Levels (CRQL's)

### bold - above trigger level

- \* Insufficient sample volume.
- \*\* Dissolved metals for analytes that have a corresponding trigger level.





## POTENTIONMETRIC SURFACE MAP



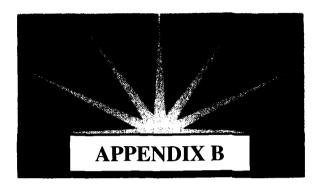
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## SUMMARY OF ANALYTICAL RESULTS



Sampling Event (All Results Expressed in Units of µg/l)	
Quarterly Results	

Compound	March-05	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
norganics - Metals (Dissolved) <sup>13</sup>								
Muminum	55.3	32.4	16.4	12.5	16.4	14.8		200
Antimony	3.9	5.4	4.0 UJ	2.7 UJ	4.0	4.0	60	60
Arsenic	6.1 J	3.8	4.2	3.5	3.8	4.0	20	10
Barium	196	253	205	168	161 J	212	1,000	200
Beryllium	0.2	0.1	0.1	0.1	0.1	0.5	5	5
Cadmium	0.3	0.1	0.1	0.1	0.1	0.1	5	5
Calcium	186,000	199,000	172,000	194,000	203,000	175,000		5,000
Chromium	1.5	1.5	1.4	4.6	1.3	2.1	11	10
Cobalt	0.7	1.1	0.6	4.6	1.9	1.2		50
Copper	1.2	0.7	0.7	0.8	0.7	1.4	25	25
ron	9.1	10.5	27.4	442 J	53.9	193	7,000	100
ead	2.4 UJ	1.4	1.4	1.7	1.4 UJ	1.8	4.2	3
Magnesium	31,700	34,000	28,300	36,400	33,800	30,400		5,000
Manganese	173	224	147	662	155 J	275		15
Mercury	0.1 UJ	0.1	0.1	0.1 J	0.1	0.1	0.2	0.2
lickel	1.1	0.4	1.1	2.3	0.6	0.6	96	40
Potassium	2,200	2,680	2,710 J	3,040	2,390 J	2,420		5,000
Selenium	4.4 R	3.5 UJ	3.5 UJ	3.0	3.5 R	4.9 UJ	8.5	5
Silver	0.9	1.1	2.9	0.6	1.1	1.0 UJ	10	10
Sodium	21,000	22,800	20,300	23,900	25,800	19,300		5,000
Thallium	6.3	4.1	4.1 UJ	5.7	4.1	2.6	40	10
Vanadium	11.5	11.9	6.6	1.6	2.5	1.2		50
Zinc	4.6	12.1	1.1	9.6	3.3	0.7	86	20
norganics - Metals and Cyanide (Total)		A STATE OF THE STA					STOREST STORES	Market St.
Aluminum	8,510	7,510 J	27,800 J	5,730	2,950	5,720 J		
Antimony	7.6 J	11.5	4.0 UJ	2.7 UJ	4.0 UJ	4.0		
Arsenic	9.0 J	5.2	64.7	8.7	15.2	6.3		
Barium	338	397	626	250	229	329		
Beryllium	0.5	0.2	2.6	0.4	0.1	0.5		
Cadmium	0.3	0.1	0.6	0.1	0.1	0.1		
Calcium	234,000	263,000 J	562,000	251,000	223,000	210,000	100000000000000000000000000000000000000	
Chromium	11.1	9.7	63.8 J	15.9	8.1	11.9 J		
Cobalt	11.9	12.5	48.5	12.3	5.2	9.0	4	
Copper	18.7 J	17.3 J	113	15.2 J	6.8 J	4.1		10
Cyanide	0.5	0.6	1.0	0.6	0.6	0.6	10	10
Iron	20,900	21,900 J	84,300	15,800	7,810	15,100		
Lead	13.6 J	14.8	67.5	14.4	3.5 J	12.8		
Magnesium	51,800	63,000 J	194,000	61,600	41,300	47,400		
Manganese	1,010	1,460 J	5,230	1,340	516	1,050	_	
Mercury	0.1 UJ	0.1	0.1	0.3 J	0.1 UJ	0.1		
Nickel	15.5	0.4	67.5	14.6 J	6.1 J	11.5		
Potassium	4,210	4,080	7,920 J	4,380	3,230 J	3,700 J		
Selenium	4.4 UJ 0.9	3.5 R	3.9	3.0	3.5 R	4.9		
Silver	20,400		12.6 J	0.6	1.1	1.0 UJ		
Sodium Thallium		23,700 J	23,300	24,900	25,200 J	19,500		
Vanadium	6.3 UJ 29.1 J	4.1 UJ 29.9 J	4.1 UJ	5.2	4.6	2.6 UJ 1.2	-	
Vanadium Zinc	63.2	66.6	75.0 J 237 J	1.6 61.0 J	9.5 22.6 J	36.4 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Carbon Disulfide		-		0.34 J	1.0 U	1.0 U		1.0
Ethylbenzene	0.11 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	62	1.0
Foluene	0.74 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.000	1.0
Kylene (total)	0.19 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10,000	1.0
Semi-Volatile Organic Compounds	BRL	BRL	BRL	BRL	BRL	BRL	13,000	1.0
		0.652 J					- 10	10
(SVOCs)			10.0 J	10.0 J	10.0 J	10.0 J	10	10
Dibenz (a,h) anthracene				1007				
(SVOCs) Dibenz (a,h) anthracene Indeno (1,2,3-cd) pyrene		0.502 J	10.0 J	10.0 J	10.0 J	10.0 J	10	10
SVOCs) Dibenz (a,h) anthracene Indeno (1,2,3-cd) pyrene Di-n-butylphthalate		0.502 J	10.0 J		0.571 J	10.0 J	190	10
(SVOCs) Dibenz (a,h) anthracene Indeno (1,2,3-cd) pyrene				10.0 J 10.0 J				

- All results expressed in micrograms per liter (µg/L).
   Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
  5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ

- 5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
  6) No Sample Available (Well Dry)
  7) U = Not detected at the listed reporting limit.
  8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
  9) UJ = A value less than the CRQL but greater than the MDL.
  10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
  11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
  12) CRQL = Contract Required Quantitation Limit
  13) Samples analyzed for <u>Dissolved</u> Inorganics were field filtered using a 0.45 micron, gravity flow filter.
  14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.



#### Sampling Event (All Results Expressed in Units of µg/l)

#### **Quarterly Results**

	Quarterly Results							
Compound	March-05	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) <sup>13</sup>			Insufficient Volume	Insufficient Volume				
Aluminum	55.3	24.0		_	16.4	14.8		200
Antimony	3.9	6.0	_	_	4.0	4.0	60	60
Arsenic	5.4	3.8	_	_	5.0	4.0	20	10
Barium	94.7	111	_	_	94.0 J	138	1,000	200
Beryllium	0.2	0.1		_	0.1	0.5	5	5
Cadmium	0.3	0.1		_	0.1	0.1	5	5
Calcium	173,000	191,000		-	172,000	190,000		5,000
Chromium	2.4	32.8	_	-	1.8	1.3	11	10
Cobalt	0.6	0.6		_	2.3	1.2		50
Copper	1.2	0.7	_	_	0.7	1.4	25	25
Iron	10.5	56.1	_	_	1,680	12.9	7,000	100
Lead	2.4 UJ	1.4		_	1.4 UJ	1.8	4.2	3
Magnesium	26,700	29,400		_	25,100	29,900		5,000
Manganese	398	908	_	_	600 J	2,090		15
Mercury	0.1 UJ	0.1	_		0.1	0.1	0.2	0.2
Nickel	1.5	0.4	_	_	1.4	4.2	96	40
Potassium	2,380	2,400	1		1,780 J	2,610		5,000
Selenium	4.4 R	3.5 UJ		_	3.5 R	4.9 UJ	8.5	5
Silver	0.9	1.1			1.1	1.0 UJ	10	10
Sodium	24,900	26,600			26,700	28,300	10	5,000
Thallium	6.3	4.1	_		6.3	2.6	40	10
Vanadium	9.1	11.0			1.8	1.2	40	50
Zinc	11.3	14.3		_	1.1	0.7	86	20
Inorganics - Metals and Cyanide	11.5	14.5			1.1	0.7	00	20
(Total)								
Aluminum	9,090	23,300 J		_	4,030	8,110 J		
Antimony	10.7 J	18.6	_	_	4.0 UJ	4.0		
Arsenic	5.4	7.6	_	_	21.8	9.6		
Barium	405	1,120	_	_	185	388		
Beryllium	0.4	1.1		_	0.1	0.5		
Cadmium	0.3	0.1		_	0.1	0.1		
Calcium	222,000	293,000 J			197,000	248,000		Aud I
Chromium	12.5	44.2		_	8.7	12.8 J		
Cobalt	6.4	17.8	_	_	4.4	9.3		
Copper	23.1 J	50.8 J	_	_	9.4 J	11.1		
Cyanide	0.6	0.6	_	_	2.2	1.3	10.0	10.0
Iron	22,000	63,600 J	_	_	9,710 J	24,600		
Lead	7.1 J	29.5	_	_	3.4	11.5		
Magnesium	42,300	73,000 J	_	_	34,600	49,400		
Manganese	913	2,340 J			761	2,940		
Mercury	0.1 UJ	0.1	_	_	0.1 UJ	0.1		
Nickel	16.0	28.1	_	_	7.6 J	16.8		
Potassium	4,300	5,940	_	_	2,770 J	4,400 J		
Selenium	4.4 UJ	3.5 R	_	_	3.5 R	4.9		
Silver	0.9	1.1	_	_	1.1	1.0 UJ	,	
Sodium	26,200	27,500 J	_	_	27,100 J	27,600		
Thallium	6.3 UJ	4.1 UJ	_	_	5.2	2.6 UJ		
Vanadium	23.5 J	47.0 J	_	_	9.7	1.2		
Zinc	59.4	146	_	_	24.7 J	46.5 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Carbon Disulfide				2.5	1.0 U	1.0 U		1.0
Toluene	0.69 J	1.0 J	1.0 J	1.0 U	1.0 U	1.0 U	1,000	1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	- 100	-	BRL	BRL		210
Diethylphthalate		0.6 J			10.0 U	10.0 U		10
	n==							
Pesticides / PCBs	BRL	BRL			BRL	BRL		

- All results expressed in micrograms per liter (μg/L).
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- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
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  5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ

- 6) = No Sample Available (Well Dry)
  7) U = Not detected at the listed reporting limit.
  8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.

- s) B = An estimated value above the method detection limit (MDL) of the instrument detection limit (IDL) but below the CRQL.

  9) UI = A value less than the CRQL but greater than the MDL.

  10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.

  11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.

  12) CRQL = Contract Required Quantitation Limit

  13) Samples analyzed for <u>Dissolved</u> Inorganics were field filtered using a 0.45 micron, gravity flow filter.

  14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.



## Sampling Event (All Results Expressed in Units of µg/l) **Quarterly Results**

The second secon	Quarterly Results							
Compound	March-05	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQ
norganics - Metals (Dissolved) <sup>13</sup>								
Muminum	55.3	16.4	16.4	12.5	16.4	14.8		200
Antimony	3.9	4.0	4.0 UJ	2.7 UJ	4.0	4.0	60	60
Arsenic	5.4 J	3.8	3.8	3.5	3.8	4.0	20	10
Barium	157	151.0	161	175	213 J	230	1,000	200
Beryllium	0.2	0.1	0.1	0.1	0.1	0.5	5	5
Cadmium	0.3	0.1	0.1	0.1	0.1	0.1	5	5
Calcium	108,000	114,000	103,000	124,000	130,000	101,000		5,00
hromium	1.5	0.8	0.8	4.1	0.8	2.7	11	10
Cobalt	1.1	0.6	0.6	0.8	6.0	0.7		50
Copper	1.2	0.7	0.7	0.8	0.7	1.4	25	25
on	49.4	10.5	80.3	2.9 Ј	164	826	7,000	100
ead	2.4 UJ	1.4	1.4	1.7	1.4 UJ	1.8	4.2	3
Magnesium	33,200	34,500	32,000	35,400	44,900	34,700		5,00
Manganese	265	84.7	52.6	13.3	232	187		15
Mercury	0.1 UJ	0.1	0.1	0.1 UJ	0.3	0.1	0.2	0.2
lickel	1.2	0.4	0.1	0.6	1.9	1.0	96	40
	A STATE OF THE PARTY OF THE PAR	-					90	
Potassium	4,270	4,110	4,540 J	4,620	6,010 J	5,160	0.0	5,00
elenium	4.4 R	3.5 UJ	3.5 UJ	3.0	3.5 R	4.9 UJ	8.5	5
Silver	0.9	1.1	2.6	0.6	1.1	2.0	10	10
Sodium	29,700	30,600	30,800	29,800	44,700	36,700		5,00
hallium	6.3	4.1	4.1 UJ	8.2	4.1	2.6	40	10
/anadium	11.1	11.7	5.9	1.6	0.7	1.2		50
Zinc	2.6	10.1	1.1	10.4	10.2	0.7	86	20
norganics - Metals and Cyanide Total)								
Aluminum	31,900	17,600 J	20,700 J	25,600	15,400	14,100 J		
Antimony	21.7 J	14.6	4.0 UJ	2.7 UJ	4.0 UJ	4.0		7
c c	19.6 J	6.8	29.1	20.2	61.6 J	11.6		
a	474	364	349	430	349	298		
Beryllium	1.8	0.8	1.2	1.7	0.8	0.8		
Cadmium	0.3	0.1	0.1	0.1	0.7	0.1		
Calcium	345,000	277,000 J	287,000	353,000	264,000	240,000 J		
Chromium	64.0	34.4	57.5 J	62.7	38.3	30.8		
Cobalt	32.2	16.4	17.6	27.1	14.5	12.9		
Copper	77.6 J	41.5 J	61.7	60.3 J	32.3 J	15.1		
Cyanide	0.5	0.6	0.8	0.6	1.0	0.6	10	10
							10	- 10
Iron	80,500	45,400 J	49,700	68,200	41,700	33,500		-
Lead	45.3 J	20.7	25.5	41.4	21.1	19.8		
Magnesium	86,600	73,800 J	72,300	87,600	72,300	62,000 920		
Manganese	1,970	1,300 J	1,250	1,820	1,140 J			
Mercury	0.1 UJ	0.1	0.1	0.7 J	0.1 UJ	0.1		
Nickel	73.4	17.8	55.6 J	63.2 J	37.3 J	30.1		
Potassium	11,500	8,380	10,900	10,100	9,500 J	7,900 J		
Selenium	4.4 UJ	3.5 R	3.5 UJ	3.0	3.5 R	4.9	-	
Silver	0.9	1.1	9.3	2.9	4.3 J	1.0 UJ	-	
odium	31,500	34,700 J	31,600	30,100	43,000 J	29,200		
Challium Vanadium	6.3 J	4.1 UJ	4.1 UJ	5.6	8.2 J	2.6 UJ		
/anadium	59.4 J	38.0 J	45.8 J	11.5	30.3	1.2	-	
anc	224	128	147 J	195	123 J	83.9 J	-	
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5	1.
Semi-Volatile Organic Compounds SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		
Endrin Aldehyde						0.00110 J		
Heptachlor Epoxide						0.00230 J		

- All results expressed in micrograms per liter (μg/L).
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  5) BRL = Below Report Limit; reported data values have a data qualifier of U. J., or UJ

- = No Sample Available (Well Dry)
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  9) UJ = A value less than the CRQL but greater than the MDL.

  10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.

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  13) Samples analyzed for <u>Dissolved</u> Inorganics were field filtered using a 0.45 micron, gravity flow filter.
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### Sampling Event (All Results Expressed in Units of µg/l) **Ouarterly Results**

	Set Superior							
Compound	March-05	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
norganics - Metals (Dissolved) <sup>13</sup>								
Aluminum	55.3	16.4	16.4	12.5	16.4	14.8		200
Antimony	6.9	7.7	4.0 UJ	2.7 UJ	4.0	4.0	60	60
Arsenic	5.4	3.8	3.8	3.5	3.8	4.0	20	10
Barium	21.1	24.6	50.0	51.6	42.1 J	38.7	1,000	200
Beryllium	0.2	0.1	0.1	0.1	0.1	0.5	5	5
Cadmium	0.3	0.1	0.1	0.1	0.2	0.1	5	5
Calcium	236,000	240,000	173,000	179,000	192,000	188,000		5,000
						3.2	11	10
Chromium	1.5	0.8	0.8	4.0	0.8		- 11	
Cobalt	0.6	0.6	0.6	0.6	0.6	0.7		50
Copper	1.2	0.7	0.8	0.8	0.7	1.4	25	25
ron	9.1	10.5	10.5	2.9	10.5	12.9	7,000	100
ead	2.4 UJ	1.4	1.4	1.7	1.4 UJ	1.8	4.2	3
Magnesium	53,900	54,600	32,800	32,400	34,100	38,500		5,000
Manganese	0.6	0.1	0.2	24.9	26.7 J	4.4		15
Mercury	0.1 UJ	0.1	0.1	0.1 J	0.1	0.1	0.2	0.2
Nickel	1.1	0.4	0.4	0.4	1.1	0.8	96	40
Potassium	19,200	23,200	27,500 J	18,700	19,600 J	22,900	70	5,000
The state of the s	4.4 R	3.5 UJ	3.5 UJ		3.5 R	4.9 UJ	9.5	
Selenium		The state of the s	and the second s	3.0	and the same of th	A CONTRACTOR OF THE PARTY OF TH	8.5	5
Silver	0.9	1.1	3.2	0.6	1.1	1.0 UJ	10	10
Sodium	135,000	151,000	96,600	74,900	72,000	101,000		5,000
Γhallium	6.3	4.1	4.1	8.4	4.1	2.6	40	10
Vanadium	16.0	16.0	6.5	1.6	0.6	1.2	TO THE REAL PROPERTY.	50
Zinc	13.3	12.5	1.1	13.4	2.7	0.7	86	20
Inorganics - Metals and Cyanide								Total Street
(Total)								
Aluminum	7,180	2,390 J	1,410 J	3,420	1,060	3,210 J	The state of the state of	
Antimony	13.7 J	7.2	4.0 UJ	2.7 UJ	60.0 UJ	4.0		
enic	5.4	4.1	8.8	6.4	14.3 J	4.0	_	
um	328	85.2	72.5	83.2	54.2	91.9	-	_
yllium	0.3	0.1	0.1	0.3	5.0	0.5		
	1.5	0.1	0.1	0.3	0.4	0.1		-
Cadmium								
Calcium	275,000	238,000 J	177,000	201,000	200,000	206,000		
Chromium	28.7	30.7	5.5 J	14.2	10.0	12.1 J		
Cobalt	13.1	4.7	1.5	4.2	1.4	4.4		
Copper	18.4 J	5.0 J	6.6	9.3 J	3.4 J	1.4		
Cyanide	0.6	0.6	0.6	0.6	2.5	0.8	10	10
fron	23,600	10,500 J	4,990	11,500	3,710	8,240		
Lead	8.6 J	2.4	2.6	9.4	3.0 UJ	6.3		100
Magnesium	61,100	56,000 J	34,300	36,400	37,100	41,100		
Manganese	1,680	566 J	236	543	280 J	573		
Mercury	0.1 UJ	0.1	0.1	0.2 J	0.2 UJ	0.1		
Nickel	32.7	0.4	4.9 J	12.0 J	5.3 J	11.3	2	
Potassium	22,000	22,500	25,900	18,800	19,600 J	25,300 J	_	
Selenium	4.4 UJ	3.5 R	3.5 UJ	3.0	5.0 R	4.9		
Silver	0.9	1.1	2.7	0.6	10.0	1.0 UJ		
Sodium	143,000	148,000 J	93,900	75,700	79,100 J	105,000		
Гhallium	6.3 UJ	4.1 UJ	4.1 UJ	6.3	4.3 J	2.6 UJ		
Vanadium	25.1 J	19.5 J	9.9 J	1.6	1.7	1.2		
Zinc	68.0	36.0	13.1 J	50.1 J	11.3 J	20.1 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
,1-Dichloroethane	1.0 U	1.0 U	0.13 J	1.0 U	1.0 U	1.0 U	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	1.0
Carbon Disulfide	2.00	2.00	3.5	0.15 J	1.0 U	1.0 U		1.0
Semi-Volatile Organic Compounds	BRL	BRL	BRL	BRL	BRL	BRL		1.0
(SVOCs)	Court Court							

#### Notes:

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- UJ = A value less than the CRQL but greater than the MDL.
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	Sampling Event (All Results Expressed in Units of µg/l)							
			Quarter	ly Results				
Compound	March-05	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) <sup>13</sup>			Insufficient Volume	Insufficient Volume		Insufficient Volume		
Aluminum	55.3	50.4		Backs-	16.4	_		200
Antimony	11.0	4.0	_	_	4.0	_	60	60
Arsenic	5.4	4.5	-	_	5.9 J		20	10
Barium	48.7	18.7	_		58.9 J		1,000	200
Beryllium	0.2	0.1	_	_	0.1	_	5	5
Cadmium	0.3	0.1		_	0.1		5	5
Calcium	299,000	137,000			210,000			5,000
Chromium	1.5	5.1	-	-	0.8	-	- 11	10
Cobalt	0.6	0.6	_	_	0.6	_		50
Copper	1.2	0.7	_	_	0.7		25	25
Iron	58.5	10.5	_	_	10.5		7,000	100
Lead	2.4 UJ	1.4		_	1.4 UJ	_	4.2	3
Magnesium	61,600	30,100	<u> </u>	_	44,200			5,000
Manganese	1.7	0.9		-	0.1	- 100		15
Mercury	0.1 UJ	0.1			0.1	- 2011	0.2	0.2
Nickel	1.1	0.4	_	_	0.8	_	96	40
Potassium	8,350	6,810	_	_	7,950 J	_		5,000
Selenium	4.4 R	3.5 UJ	_	_	3.5 R	_	8.5	5
Silver	0.9	1.1	_	_	1.1	_	10	10
Sodium	74,800	20,300	_	_	29,900	_		5,000
Thallium	6.3	4.1	_	_	4.1	_	40	10
Vanadium	16.7	11.3	_	_	0.6	_		50
Zinc	7.0	9.9		_	1.1		86	20
Inorganics - Metals and Cyanide (Total)								The second of the
		74 200 1			16 700			
Aluminum	18,300	74,200 J		_	16,700			
Antimony	5.3 J	36.7	<del></del>	<del>-</del>	4.0 UJ			
Arsenic	5.4	3.8			55.6 J			
Barium	111	181			117			
Beryllium Cadmium	1.0	4.3 0.1		_	0.9			
Calcium	342,000	568,000 J			281,000			-
Chromium	33.4	106			33.0			
Cobalt	19.2	77.6			14.7			
Copper	25.3 J	83.7 J	1 = =	_	21.7 J			
Cyanide	25.5 5	0.5.7 3	1 -		2.5		10	10
Iron	42,400	160,000 J	<del></del>	<u>-</u>	38,500		10	10
Lead	20.6 J	78.7		_	16.7 J			
Magnesium	73,500.0	86,700 J		_	58,900			
Manganese	1,960.0	4,340 J	1 -		1,150 J			
Mercury	0.1 UJ	0.2			0.1 UJ		100000000000000000000000000000000000000	
Nickel	34.8	105	_	_	32.7 J			
Potassium	12,600	19,100			11,900 J			-
Selenium	4.4 UJ	3.5 R	_	_	3.5 R	<u> </u>		
Silver	0.9	1.1	_	_	3.1 J			
Sodium	78,600	19,500 J			32,000 J			
Thallium	6.3 UJ	4.1 UJ	_	_	13.1 J			
Vanadium	39.8 J	103 J	_	_	30.1			
Zinc	116	391	_	_	88.3 J	_		
Volatile Organic Compounds (VOCs)	BRL	BRL	_	BRL	BRL	BRL		
Benzene	1.0 J	0.083 J	+	1.0 U	1.0 U	1.0 U	5	1.0
Carbon disulfide	1.0 U	1.0 U		0.14 J	1.0 U	1.0 U	-	1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	-	0,14 7	BRL	BRL		1.0
Di-n-butylphthalate			+		1.04 J	11.5 U	190	10
					1107 9	11.5 0	270	10

Pesticides / PCBs

- All results expressed in micrograms per liter (µg/L).

BRL

BRL

- 1) All results expressed in micrograms per liter (µg/L).
  2) Standard Inorganic Data Qualifiers have been used.
  3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
  4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
  5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
  6) = No Sample Available (Well Dry)
  7) U = Not detected at the listed reporting limit.
  8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
  9) UJ = A value less than the CRQL but greater than the MDL.
  10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
  11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
  12) CRQL = Contract Required Quantitation Limit
  13) Samples analyzed for Dissolved Inoreanics were field filtered using a 0.45 micron evaluation filter.

- 13) Samples analyzed for <u>Dissolved</u> Inorganics were field filtered using a 0.45 micron, gravity flow filter.

  14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.



BRL

BRL

Ţ.	CAT .	Samp	oling Event (All Result	s Expressed in Units	of µg/l)		7	
10			Quarterl	y Results				
Compound	March-05	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
norganics - Metals (Dissolved) <sup>13</sup>				Well is Dry				
Aluminum	55.3	16.4	16.4	-	16.4	14.8	The second second	200
Antimony	5.7	7.6	4.0 UJ		4.0	4.0	60	60
Arsenic	12.9 J	3.8	3.8	_	3.8	4.0	20	10
Barium	35.2	46.3	70.7	_	0.2	46.6	1,000	200
Beryllium	0.2	0.1	0.1	-	0.1	0.5	5	5
Cadmium	0.3	0.1	0.1	INSTANTANT OF	0.1	0.1	5	5
Calcium	183,000	211,000	228,000		335	237,000		5,000
Chromium	1.5	0.8	14.4		0.8	3.8	11	10
Cobalt	0.9	1.4	0.6		0.7	1.2	to unique se a	50
Copper	1.2	0.7	2.6	_	0.7	1.4	25	25
ron	32.1	122	169	_	159	641	5,000	100
ead	2.4 UJ	1.4	1.4	_	1.4 UJ	1.8	4.2	3
Magnesium	33,500	45,800	39,800	_	63,100	49,000		5,000
Manganese	713	953	217		0.3 J	617	S. SERVICE	15
Mercury	0.1 UJ	0.1	0.1	_	0.1	0.1	0.2	0.2
Nickel	2.0	0.4	9.2	_	0.4	3.5	96	40
Potassium	6,540	7,010	10,400 J	_	54.2	6,730		5,000
Selenium	4.4 R	3.5 UJ	3.5 UJ	_	3.5 R	4.9 UJ	8,5	5
Silver	0.9	1.1	3.2	_	1.1	1.0	10	10
Sodium	24,800	35,400	34,300	_	46.3	41,300		5,000
Thallium	6.3	4.1	4.1 UJ		4.1	2.6	40	10
Vanadium	9.3	12.9	6.2	_	0.6	1.2		50
Zinc	7.0	13.7	1.1		1.1	0.7	86	20
Inorganics - Metals and Cyanide				NAME OF THE OWNER, THE				
(Total)	Property of the second		4214-2627	21.79				
Aluminum	4,610	5,930 J	602 J	M -	1,780	3,800 J	100000	
Antimony	6.2 J	10.4	4.0 UJ	_	4.0 UJ	4.0		
Arsenic	7.6 J	8.8	7.5	_	14.3 J	5.3	and the said	
Barium	79.7	101.0	75.7	_	70.1	81.3	1 30	
Beryllium	0.2	0.2	0.1	_	0.1	0.5		
Cadmium	0.3	0.1	0.1		0.5	0.1		
Calcium	222,000	233,000 J	230,000		347,000	250,000		
Chromium	8.5	9.1	1.2 J		1.9	10.1 J		
Cobalt	4.7	6.4	1.1	_	1.9	4.1		
Copper	9.5 J	11.6 J	5.0	<u>-</u>	4.6 J	1.4		
Cyanide	0.5	0.6	0.6	_	1.6	0.6	10	10
ron	13,500	18,200 J	2,070	_	6,770	11,100		
Lead	2.4 UJ	8.3	1.4	_	1.4 UJ	14.4		
Magnesium	44,500	51,700 J	39,800		65,900	53,600		
Manganese	923	1,110 J	224		317 J	750		
Mercury	0.1 UJ	0.1	0.1	-	0.1 UJ	0.1		
Nickel	10.9	0.4	4.7 J	_	8.0 J	11.2		
Potassium	8,380	8,270	10,600	_	9,210 J	7,550 J		
Selenium	4.4 UJ	3.5 R	3.5 UJ	_	3.5 R	4.9		
Silver	0.9	1.1	2.6	_	1.1	1.0 UJ		
Sodium	27,800	33,500 J	33,800	_	41,300	39,500		
Thallium	6.3 UJ	4.1 UJ	4.1 UJ	_	6.4 J	2.6 UJ		
Vanadium	18.2 J	21.8 J	8.5 J	_	4.4	1.2		
Zinc	37.8	54.3	14.6 J		21.8 J	25.4 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	_	BRL	BRL		
2-Butanone	MY TYLLE				2.2 J	5.0 U	7.1	1.0
Carbon disulfide	1.0 U	1.0 U	1.7		1.0 U	1.0 U		1.0
Semi-Volatile Organic Compounds SVOCs)	BRL	BRL	BRL	_	BRL	BRL		
Bis(2-Chloroethyl)ether	10.4 U	0.535 J	10.0 J		10.0 U	10.0 U	13.6	10
Di-n-butylphthalate					0.866 J	10.0 U	190	10
Pesticides / PCBs	BRL	BRL	BRL	_	BRL			
Dieldrin		+	0.024 J		0.100 U	0.100 U		1.0
Hentachler Enovide			0.024 J		0.100 U	0.100 U		1.0

Heptachlor Epoxide

- All results expressed in micrograms per liter (μg/L).

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  8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
  9) UJ = A value less than the CRQL but greater than the MDL.
  10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
  11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
  12) CRQL = Contract Required Quantitation Limit
  13) Samples analyzed for <u>Dissolved</u> Inorganics were field filtered using a 0.45 micron, gravity flow filter.
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0.028 J



0.050 U

0.00300 J

Sampling Event (All Results Expressed in Units of µg/l	)
Oversteele Bereite	

	Quarterly Results							
Compound	March-05	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) <sup>13</sup>				30759 13	Insufficient Volume			
Aluminum	1,180	36.6	16.4	22.3	_	20.8		200
Antimony	5.5	6.7	4.0	2.7 UJ	-	4.0	60	60
Arsenic	8.1 J	3.8	3.8 UJ	3.5	-	4.0	20	10
Barium	125	112	57.4	104	-	102	1,000	200
Beryllium	0.2	0.1	0.1	0.1	-	0.5	5	5
Cadmium	0.3	0.1	0.1	0.1	_	0.1	5	5
Calcium	133,000	133,000	92,600	133,000		127,000	HITCH THE PARTY	5,000
Chromium	4.3	0.8	0.8	6.0	_	3.8	11	10
Cobalt	1.2	0.6	0.6	0.4	-	0.7	Section 1	50
Copper	1.4	0.7	0.7	0.8	_	1.4	25	25
Iron	2,870	10.5	10.5	7.3 J		15.5	7,000	100
Lead	2.4 UJ	1.4	1.4	1.7	-	1.8	4.2	3
Magnesium	51,300	55,900	25,700	48,300	_	46,800		5,000
Manganese	239	65.0	11.9	32.3	-	29.5		15
Mercury	0.1 UJ	0.1	0.1	0.1 UJ	-	0.1	0.2	0.2
Nickel	5.1	0.4	0.5	1.1	_	0.9	96	40
Potassium	9,340	8,910	3,800 J	8,300		9,000	SEASON OF THE PERSON OF THE PE	5,000
Selenium	4.4 R	3.5 UJ	3.5 UJ	3.0	_	4.9 UJ	8.5	5
Silver	0.9	1.1	1.4	0.6	_	1.0 UJ	10	10
Sodium	111,000	126,000	56,700	110,000	_	101,000		5,000
Thallium	6.3	4.1	4.1	5.4	_	2.6	40	10
Vanadium	15.2	16.0	5.6	1.6	_	1.2		50
Zinc	15.2	5.5	1.1	11.1	_	4.9	86	20
Inorganics - Metals and Cyanide	10.0	5.5		****		10	-	20
(Total)	Maria .			September 1				Self-daken
Aluminum	44,600	19,800 J	28,300	10,900	23,900	26,900 J	200	PLEASE Y
Antimony	27.5 J	15.5	4.0	2.7 UJ	4.0 UJ	4.0		
Arsenic	5.4	4.5	31.1 J	6.9	80.5 J	8.6		
Barium	867	464	457	269	445	482		
Beryllium	2.2	0.9	1.8	0.7	1.2	1.4	1000	
Cadmium	9.8	0.1	0.3	0.1	0.8	0.1		
Calcium	886,000	274,000 J	414,000	247,000	424,000	490,000		
Chromium	73.4	42.5	66.3	30.8	55.0	55.6 J		
Cobalt	51.5	20.5	29.1	11.4	22.8	30.7		Manual III-
Copper	86.3 J	40.8 J	81.9	22.9 J	50.0 J	29.6		
Cyanide	_	0.6	0.7	0.6	_	0.6	10.0	10.0
Iron	99,000	48,000 J	64,200	26,900	59,200	64,400		
Lead	62 J	32.3	48.1	21.1	39.7 J	52.2		
Magnesium	107,000	79,000 J	107,000	71,000	104,000	99,500		
Manganese	5,270	1,430 J	2,210	896	2,130 J	2,620		
Mercury	0.1 UJ	0.1	0.1	0.3 J	0.1 J	0.1		
Nickel	101	15.8	66.5	27.5 Ј	59.3 J	68.4		
Potassium	18,700	13,200	17,500	11,000	15,000 J	14,000 J		
Selenium	4.4 UJ	3.5 R	3.5 R	3.0	3.5 R	5.0	1	
Silver	0.9	1.1	9.8	0.6	6.2 J	1.0	1	
Sodium	123,000	122,000 J	119,000	116,000	134,000 J	109,000	1	
Thallium	6.3 UJ	4.1 UJ	4.1	5.8	9.9 J	2.6 UJ	1	
Vanadium	72.9 J	42.8 J	56.5	1.6	45.2	269		
Zinc	324 PDI	150.0	219	88.9 J	171 J	184 J	++	
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Carbon Disulfide				1.1	1.0 U	1.0 U		1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Di-n-butylphthalate					0.726 J	10.0 J	190	10
DI II Cuty promine								

- All results expressed in micrograms per liter (μg/L).
   Standard Inorganic Data Qualifiers have been used.
   Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
   5) BRL = Below Report Limit; reported data values have a data qualifier of U. J. or UJ
   6) No Sample Available (Well Dry)

- 6) = No Sample Available (Well Dry)
  7) U = Not detected at the listed reporting limit.
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  9) UI = A value less than the CRQL but greater than the MDL.
  10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
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  12) CRQL = Contract Required Quantitation Limit
  13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron gravity flow filter.

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  14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.



		Sampling Event	(All Results Expresse	d in Units of μg/l)		1	
			Quarterly Results				
Compound	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) <sup>13</sup>	Well is Dry	Well is Dry	Well is Dry	Insufficient Volume	Well is Dry	1 - 11 1/2	
Inorganics - Metals and Cyanide (Total)	<u>-</u>	-	-	-	_		
Volatile Organic Compounds (VOCs)	_	_		BRL	_		
2-Butanone 1,1-Dichloroethane				4.4 J 1.0 J		7.1	1.0
Semi-Volatile Organic Compounds (SVOCs)	-			BRL	_		
Di-n-butylphthalate	C. Charles		ple from 74 seems	0.898 J		190	10
Pesticides / PCBs	_	_	_	-	_		

- Notes:

  1) All results expressed in micrograms per liter (µg/L).

  2) Standard Inorganic Data Qualifiers have been used.

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  6) = No Sample Available (Well Dry)

  7) U = Not detected at the listed reporting limit.

  8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.

  9) UJ = A value less than the CRQL but greater than the MDL.

  10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.

  11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.

  12) CRQL = Contract Required Quantitation Limit

  13) Samples analyzed for <u>Dissolved</u> Inorganics were field filtered using a 0.45 micron, gravity flow filter.

  14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

	Sampling Event (All Results Expressed in Units of μg/l)							
	<b>7</b> 36.		Quarter	ly Results			1	
Compound	March-05	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) <sup>13</sup>								
Aluminum	55.3	31.7	322	14.9	16.4	16.3		200
Antimony	7.8	6.4	4.0	2.7 UJ	4.0	4.0	60	60
Arsenic	14.8 J	3.8	3.8 UJ	3.5	7.5 J	4.0	20	10
Barium	31.7	31.0	117	71.7	33.8	29.1	1,000	200
Beryllium	0.2	0.1	0.1	0.0	0.1	0.5	5	5
Cadmium	0.3	0.1	0.1	0.1	0.5	0.1	5	5
Calcium	286,000	245,000	141,000	291,000	279,000	173,000	THE RESERVE OF	5,000
Chromium	1.5	0.8	0.8	7.7	0.8	2.5	11	10
Cobalt	2.4	2.1	0.6	2.8	1.6	1.5	PARTITION IN	50
Copper	1.2	0.7	1.5	0.8	0.7	1.4	25	25
Iron	655	1,840	383	583 J	10.5	189	7,000	100
Lead	2.4 UJ	1.4	1.4	1.7	1.4 UJ	1.8	4.2	3
Magnesium	69,600	56,800	54,200	65,900	64,300	38,400		5,000
Manganese	1,530	1,980	120	2,290	481 J	1,200		15
Mercury	0.1 UJ	0.1	0.1	0.1 J	0.1	0.1	0.2	0.2
Nickel	1.6	0.4	1.7	3.8	3.2	2.1	96	40
Potassium	5,920	7,300	10,600 J	9,120	5,720 J	5,550		5,000
Selenium	4.4	3.5 J	3.5 UJ	3.0	3.5 R	4.9 UJ	8.5	5
Silver	0.9	1.1	2.4	0.6	1.1	1.0	10	10
Sodium	44,700	66,300	120,000	68,000	38,600	30,000	The second second	5,000
Thallium	6.3	4.1	4.1	7.7	4.1	2.6	40	10
Vanadium	16.5	14.7	6.8	1.6	0.9	1.2		50
Zinc	8.3	10.2	36.6	12.7	1.1	0.7	86	20
Inorganics - Metals and Cyanide	A SHIP IN THE REAL PROPERTY.			Greek Burner				
(Total)	40.400					T		
Aluminum	62,600	99,900 J	39,100	28,500	16,300	26,400 J		
Antimony	30.1 J	53.5	4.0	2.7 J	4.0 UJ	4.0		
Arsenic	5.4	3.8	40.9 J	14.9	56.3 J	15.5		
Barium	393	617	315	238	117	204		
Beryllium Cadmium	3.5 0.3	5.3 0.1	3.0 0.5	1.8	1.1	1.4		
A STATE OF THE PARTY OF THE PAR	702,000	922,000 J	737,000	0.1	the same of the sa	0.1		
Calcium		+		431,000	335,000	412,000		
Chromium	67.9	120	66.4	46.1	25.4	36.5 J		
Cobalt	60.7	99.3	43.8	29.4	14.2	26.2		
Copper	124 J	187 J	94.9	51.8 J	110 J	22.1	10	10
Cyanide	0.5 U	0.6	0.8	0.6	1.5	0.7	10	10
Iron	141,000	223,000 J	88,300	63,600	37,000	56,900		
Lead	85.6 J	140	46.8	42.9	28.1 J	40.1		
Magnesium	157,000	184,000 J	118,000	102,000	81,600	96,100		
Manganese	5,660	8,490 J	6,100	3,820	1,590	3,250		
Mercury Nickel	0.1 J 119	0.2	0.1 85.4	1.1 J	0.1 UJ 35.4 J	0.1		
Potassium	15,200	22,000	19,000	60.1 J 13,500	8,690 J	51.5 12,400 J		
Selenium	17.2 J	3.5 R	3.5 R	3.0	3.5 R	4.9		
Silver	0.9	1.1	12.4	2.3	And the second s	1.0 UJ	-	
Sodium	45,800	71,100 J	77,700		1.1			
Thallium	45,800 6.3 UJ	4.1 UJ	4.1	63,500	39,000 J 9.8	37,900		
Vanadium	90.7 J	1.0 J	72.7	11.4	27.8	2.6 UJ 12.6	-	
Vanadium	403	637	233	11.4 188 J	27.8 311 J	12.6 148 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Benzene	1.0 U	0.13 J	1.0 U	1.0 J	1.0 U	1.0 U		1.0
Semi-Volatile Organic Compounds	BRL	BRL	BRL	BRL	BRL	BRL		1.0
(SVOCs)	The Control of the Co							*0
Butylbenzylphthalate	0.771 J	1.07 J	12.2 UJ	10.0 U	10.0 U	10.0 U	10	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		STATE OF THE PARTY OF
Endosulfan sulfate					0.00856 UJ	0.100 U		1.0
4,4'-DDT						0.00220 J		1.0
Endrin Aldehyde						0.00350 J	A PROPERTY OF	1.0
Heptachlor Epoxide						0.00370 J	Man Man Man and Man an	1.0

- Notes:

  1) All results expressed in micrograms per liter (µg/L).

  2) Standard Inorganic Data Qualifiers have been used.

  3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)

  4) Bold red letters with a thick outline indicates a detection above the Trigger Level.

  5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ

  6) = No Sample Available (Well Dry)

  7) U = Not detected at the listed reporting limit.

  8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.

  9) UJ = A value less than the CRQL but greater than the MDL.

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  12) CRQL = Contract Required Quantitation Limit

  13) Samples analyzed for <u>Dissolved</u> Inorganics were field filtered using a 0.45 micron, gravity flow filter.

  - 12) CAQUE = Contract Requires Quantitation Latini
    3) Samples analyzed for <u>Dissolved Inorganies</u> were field filtered using a 0.45 micron, gravity flow filter.

    14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.



Sampling Event (All Results Expressed in Units of µg/l)	
Quarterly Results	

	Quarterly Results							
Compound	March-05	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
norganics - Metals (Dissolved) <sup>13</sup>								
Aluminum	55.3	23.4	16.4	20.8	16.4	14.8		200
Antimony	3.9	5.8	4.0	2.7 UJ	4.0	4.0	60	60
Arsenic	5.4	3.8	3.8 UJ	3.5	5.8 J	4.0	20	10
Barium	29.6	32.1	64.6	41.5	39.4 J	35.0	1,000	200
Beryllium	0.2	0.1	0.1	0.1	0.1	0.5	5	5
Cadmium	0.3	0.1	0.1	0.1	0.1	0.1	5	5
Calcium	182,000	181,000	234,000	173,000	207,000	163,000		5,000
Chromium	1.5	0.8	0.8	6.6	0.8	4.2	11	10
Cobalt	0.6	0.6	2.0	1.0	0.7	0.7		50
Copper	1.2	0.7	0.7	0.8	0.7	1.4	25	25
iron	9.1	10.5	128	2.9	10.5	12.9	7,000	100
Lead	2.4 UJ	1.4	1.4	1.7	1.4 UJ	1.8	4.2	3
Magnesium	59,200	57,300	51,700	52,800	71,600	52,400	7.0	5,000
Manganese	863	115	1,970	469	783 J	25.0		15
Mercury	0.1 UJ	0.1	0.1	0.1 J	0.1	0.1	0.2	0.2
Nickel	5.1	0.4	3.5	4.5	9.0	3.0	96	40
		10,100				8,910	70	5,000
Potassium	10,200	3.5 UJ	10,400 J	10,800	15,400 J 3.5 R	4.9 UJ	8.5	5,000
Selenium	4.4 R 0.9		3.5 UJ	3.0		1.0 UJ		10
Silver Sodium	45,000	46,300	74,700	51,700	68,100	42,800	10	5,000
							40	
Thallium	6.3	4.1	4.1	9.8	4.1	2.6	40	10
Vanadium	13.4	15.8	6.2	1.6	1.2	1.2		50
Zinc	5.1	7.5	4.7	12.2	1.1	0.7	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	15,800	66,200 J	23,500	31,500	8,050	6,580 J	T	
Antimony	12.0 J	33.4	4.0	2.7 UJ	4.0 UJ	4.0		
Arsenic	5.4	3.8	16.8	9.4	34.5 J	4.0		
Barium	66.6	174	109	111	67.9	58.2		
Beryllium	0.8	3.7	1.4	1.9	0.3	0.5		277
Cadmium	0.3	0.1	0.1	0.1	0.3	0.1		
Calcium	249,000	441,000 J	267,000	333,000	241,000	194,000		
Chromium	22.7	93.8	44.3	53.7	15.400	13.5 J		
Cobalt	18.3	63.9	21.0	30.2	10.9	7.9		
Copper	18.2 J	66.4 J	37.3	36.5 J	9.0 J	1.4		
Cyanide	0.5	0.6	0.7	0.6	3.5	0.7	10	10
Iron	38,200	150,000 J	49,900	74,100	21,300	14,900	10	10
Lead	11.0 J	58.9	13.5	27.1	5.8 J	6.8		-
Magnesium	71,100	105,000 J	71,600	79,200	77,600	59,400		
Manganese	2,550	4,290 J	2,140	2,830	2,750 J	1,190		
Mercury	0.1 UJ	0.1	0.1	0.900 J	0.1 UJ	0.1		
Nickel								
	36.3	102	44.6	64.800 J	28.5 J	15.9		
Potassium	14,500	21,000	16,100	16,000	16,400 J	9,990 J	-	
Selenium	4.4 UJ	3.5 R	3.5	4.1	3.5 R	4.9	1	
Silver	0.9	1.1	7.0	3.4	1.1	1.0 UJ		
Sodium	49,600	46,300 J	45,100	51,800	65,500 J	41,400	-	
Thallium	6.3 UJ	4.1 UJ	4.1	5.2	7.0 J	2.6 UJ		
Vanadium	32.3 J	89.3 J	42.4	11.0	14.5	1.2	-	
Zinc	82.4	337	112	166	41.0 J	31.9 J	+	_
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
2-Butanone					2.3 J	5.0 U	7.1	1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Di-n-butylphthalate		<del>                                     </del>			0.729 J	10.0 U	190	10
S SECTION IN CO.								
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

- 1) All results expressed in micrograms per liter ( $\mu g/L$ ). 2) Standard Inorganic Data Qualifiers have been used.

- 2) Standard Inorganic Data Qualifiers have been used.
  3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
  4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
  5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
  6) = No Sample Available (Well Dry)
  7) U = Not detected at the listed reporting limit.
  8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.

- 9) UJ = A value less than the CRQL but greater than the MDL.
  10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
  11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.

- 12) CRQL = Contract Required Quantitation Limit
  13) Samples analyzed for <u>Dissolved</u> Inorganics were field filtered using a 0.45 micron, gravity flow filter.
  14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.



			Quarterly Results			and a comment to	data.
Compound	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
(norganics - Metals (Dissolved) <sup>13</sup>	Well is Dry	Insufficient Volume	Well is Dry	Insufficient Volume	Well is Dry		
Antimony	_			_	_	60	60
Arsenic	_	_	_	_	_	10	10
Barium	_	=	<del>-</del>			1,000	200
Beryllium	_	_		_	_	5	5
Cadmium		_	_	_	_	5	5
Chromium			_	-	- 1	- 11	10
Copper	-			_	_	25	25
ron	_	-	——————————————————————————————————————	_	_	5,000	100
Lead	_			_	_	4.2	3
Mercury	_		_	_	_	0.2	0.2
Nickel	_		_	_	_	96	40
Selenium	_	- 4		_	-	5	5
Silver	_		_	-	-	10	10
Thallium	_	-		_	_	40	10
Zinc	_			J	_	86	20
Inorganics - Metals and Cyanide						-,245 (1) (1) (2)	A STATE OF
Total)							
Antimony	_	_	12 x 5 = -	_	_		
Arsenic	_	_		_	_		
Barium	_	-		_	_		
Beryllium	_	_		_	_		
Cadmium	_		_				
Chromium	_	_	_	_	- 28		THE SALES
Copper	_	_		_	_		
Cyanide	_			_	_	10	10
fron	_			_	_	Parallel State	
ead	_	_		_			
Mercury			_	_	_	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Nickel	_	_		_	_		
Selenium	_		_		_		
Silver	_	_	_		_		THE PARTY
Thallium	_			_	_		
Zinc	· <del>-</del>			_	_	1 2 2 2 2 2	
Volatile Organic Compounds (VOCs)	_	BRL		BRL	_		
Semi-Volatile Organic Compounds (SVOCs)	-	-	_	_	_		
Pesticides / PCBs	-	_		_	-		

- Notes:

  1) All results expressed in micrograms per liter (µg/L).

  2) Standard Inorganic Data Qualifiers have been used.

  3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)

  4) Bold red letters with a thick outline indicates a detection above the Trigger Level.

  5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ

  6) = No Sample Available (Well Dry)

  7) U = Not detected at the listed reporting limit.

  8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.

  9) UJ = A value less than the CRQL but greater than the MDL.

  10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.

  11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.

  12) CRQL = Contract Required Quantitation Limit

  13) Samples analyzed for <u>Dissolved</u> Inorganics were field filtered using a 0.45 micron, gravity flow filter.

  14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

#### Groundwater Analysis Summary Table for Creek Surface Water Sample Location SW-50

		Sampl	ing Event (All Results	s Expressed in Units	s of µg/l)		1	
	Quarterly Results							
Compound	March-05	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) <sup>13</sup>								
Aluminum	55.3	25.2	16.4	25.1	16.4	14.8		200
Antimony	5.9	4.0	4.0	2.7	4.7	4.0	60	60
Arsenic	5.4	6.8	3.8 UJ	3.5	3.8 UJ	4.0	20	10
Barium	40.2	53.1	57.5	50.6	43.4	43.6	1,000	200
Beryllium	0.2	0.1	0.1	0.1	0.1	0.5	5	5
Cadmium	0.3	0.1	0.1	0.1	0.1	0.1	5	5
Calcium	93,500	89,000	90,900	110,000	99,500	72,300		5,000
Chromium	1.5	5.4	0.8	3.8	3.0	1.8	11	10
Cobalt	0.6	0.6	0.6	0.4	0.6	0.7		50
Copper	1.2	0.7	1.7	0.8	0.7	1.4	25	25
fron	9.1	10.5	10.5	43.7	10.5	14.4	7,000	100
Lead	2.4 UJ	1.4 UJ	1.4	2.0	1.4 UJ	1.8	4.2	3
Magnesium	30,900	28,000	25,700	30,800	27,000	22,100		5,000
Manganese	0.9	7.4 J	3.5	0.1	4.4	1.9	THE STREET	15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Nickel	1.1	0.4 UJ	0.4	0.4	0.4	0.5	96	40
Potassium	1,870	3,460	3,960 J	3,110	1,620	2,860 J	THE WAR THE	5,000
Selenium	4.4 R	3.5 R	3.5 UJ	4.3	3.5 UJ	4.9 UJ	8.5	5
Silver	0.9	1.1	1.1	0.6	1.1	1.0	10	10
Sodium	90,000	53,000	54,200	100,000	37,700	45,900		5,000
Thallium	6.3 UJ	4.1	4.1	7.1	4.1	2.6	40	10
Vanadium	9.5	11.5	5.1	1.6	2.6	1.2		50
Zinc	3.7	8.3	1.1	11.1	7.9	1.3	86	20
Inorganics - Metals and Cyanide			The second second	THE POPULATION OF THE PERSON OF		The state of the s		
(Total) Aluminum	55.3	46.2	26.0	21.0	164	267		
	3.9	46.2	36.8 4.0	21.8	16.4	36.7 4.0		
Antimony Arsenic	5.4	7.2	3.8 UJ	3.5	3.8 UJ	4.0		
Barium	40.1	50.5	58.9	50.5	42.9	43.6	The state of the s	
Beryllium	0.2	0.1	0.1	0.1	0.1	0.5	1	
Cadmium	0.3	0.1	0.1	0.1	0.4	0.1		
Calcium	92,900	85,200	91,800	108,000	104,000	72,200		
Chromium	1.5	29.8	0.8	4.8	2.9	1.8		
Cobalt	0.6	0.6	0.6	0.4	0.6	0.7		
Copper	1.2	1.4	1.8	0.8	0.7	1.4		
Cyanide	0.6	0.6	0.6	0.6	1.5	0.6	10	10
Iron	15.0	132.0	13.3	24.3	10.5	19.3		
Lead	2.4 UJ	1.4 UJ	1.4	1.7	1.4 UJ	1.8		
Magnesium	30,200	26,500	26,300	30,500	27,800	22,100		
Manganese	1.2	10.4 J	5.4	0.1	1.4	3.3		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	C Y YOR	
Nickel	1.1	0.4 UJ	0.4	0.6 U	0.4	0.5		
Potassium	1,760	3,310	3,950 R	2,910 Ј	1,600	2,880 J		
Selenium	4.4 R	3.5 R	3.5	3.0 UJ	3.5 UJ	4.9 UJ		
Silver	0.9	1.1	1.2	0.6	1.1	1.0		
Sodium	89,000	51,200	54,400	97,700	38,600	46,300		
Thallium	6.3	4.1	4.1	5.9	4.1	2.6		
Vanadium	9.7	11.8	4.3	1.6	2.1	1.2		
Zinc	1.7	7.1 J	9.8	6.0	6.6	1.3	+	
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Acetone	2.2 R	5.0 U	5.0 U	5.0 U	5.0 R	5.0 U		1.0
Chloroform  Semi-Volatile Organic Compounds (SVOCs)	1.0 U BRL	0.14 J BRL	1.0 U BRL	BRL	1.0 U BRL	1.0 U BRL	79	1.0
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

#### Notes:

- 1) All results expressed in micrograms per liter ( $\mu g/L$ ).
- Standard Inorganic Data Qualifiers have been used.
   Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
   6) = No Sample Available (Well Dry)
   7) U = Not detected at the listed reporting limit.

- 7) U = Not detected at the issted reporting mint.

  8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.

  9) UI = A value less than the CRQL but greater than the MDL.

  10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.

  11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for <u>Dissolved</u> Inorganics were field filtered using a .45 micron, gravity flow filter.

  14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.



#### Groundwater Analysis Summary Table for Creek Surface Water Sample Location SW-51

		Samplin	g Event (All Result	s Expressed in Un	its of μg/l)			
	Quarterly Results							
Compound	March-05	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
norganics - Metals (Dissolved) <sup>13</sup>								
Aluminum	55.3	18.1	16.4	12.5	16.4	14.8		200
Antimony	3.9	4.0	4.0	2.7	4.0	4.0	60	60
Arsenic	5.4	8.7	3.8 UJ	3.5	3.8 UJ	4.0	20	10
Barium	41	48.6	0.2	49.5	42.1	48.3	1,000	200
Beryllium	0.2	0.1	0.1	0.1	0.1	0.5	5	5
Cadmium	0.3	0.1	0.3	0.1	0.1	0.1	5	5
Calcium	95,500	94,700	53.9	10,800	101,000	83,100	ESCHANGE IN	5,000
Chromium	1.5	12.7	1.3	3.7	2.8	1.8	11	10
Cobalt	0.6	0.6	0.6	0.4	0.6	0.7		50
Copper	1.2	0.7	0.7	0.8	0.7	1.4	25	25
ron	9.1	35.3	10.5	2.9	10.5	12.9	7,000	100
ead	2.4 UJ	1.4 UJ	1.4	1.7	1.4 UJ	1.8	4.2	3
Magnesium	31,500	29,400	13.0	29,400	27,100	23,500		5,000
Manganese	1.3	4.8 J	0.1	0.1	2.9	6.0		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Nickel	1.1	0.4 UJ	1.2	0.4	0.4	0.6	96	40
Potassium	1,800	3,060	54.2	2,840 J	2,070	2,770 Ј		5,000
Selenium	4.4 R	3.5 R	3.5	3.0 UJ	3.5 R	4.9 UJ	8.5	5
Silver	0.9	1.1	1.1	0.6	1.1	1.0	10	10
Sodium	102,000	53,700	400	100,000	36,400	45,200		5,000
Thallium	6.3 UJ	4.1	4.1	6.5	4.1	2.6	40	10
Vanadium	9.5	13.2	0.6	1.6	2.3	1.2		50
Zinc	2.5	9.3	2.6	9.5	4.1	1.9	86	20
Inorganics - Metals and Cyanide		7.3	2.0	2.0		1.0		20
(Total)				atticion -				
Aluminum	55.3	43.6	30.1	21.2	16.4	36.2		
Antimony	3.9	4.0	4.0	2.7	4.0	4.0		
Arsenic	5.4	9.1	3.8 UJ	3.5	3.8 UJ	4.0		
Barium	40.0	50.4	52.0	50.3	41.9	48.2		
Beryllium	0.2	0.1	0.1	0.1	0.1	0.5		
Cadmium	0.3	0.1	0.1	0.1	0.1	0.1		
Calcium	90,500	95,300	87,300	108,000	101,000	82,800		
Chromium	1.5	7.6	0.8	3.9	3.3	2.0		
Cobalt	0.6	0.6	0.6	0.4	0.6	0.7		
Copper	1.2	0.7	0.9	0.8	0.7	1.4		
Cyanide	0.6	0.6	0.6	8.0	0.6	0.6	10	10
Iron	28.6	27.9 U	45.0	30.2	57.4	55.9		
Lead	2.4 UJ	1.4 UJ	1.4	1.7	1.4 UJ	1.8		
Magnesium	29,800	30,600	24,600	30,400	27,300	23,600		
Manganese	2.4	5.4 J	7.4	0.1	5.5	7.7		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1		
Nickel	1.1	0.4 UJ	0.4	0.4	0.4	0.5		
Potassium	1,760.0	3,080	3,610	2,840 J	1,690	2,810 J		
Selenium	4.4 R	3.5 R	3.5 R	3.0 UJ	3.5 UJ	4.9 UJ	B	
Silver	0.9	1.1	1.1	0.6	1.1	1.0		
Sodium	100,000	56,100	54,000	97,300	35,600	46,400		
Thallium Vanadium	6.3 9.2	4.1 12.9	4.1 5.1	4.6 1.6	4.1 2.0	2.6 1.2		
Vanadium Zinc	2.4	4.8 J	1.1	8.4	5.8	0.7		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Carbon Disulfide		-			2,40	0.47 J		1.0
Semi-Volatile Organic Compounds	BRL	BRL	BRL	BRL	BRL	BRL		1.0
(SVOCs)					1000		<del>                                     </del>	
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	1 1	

- Notes: 1) All results expressed in micrograms per liter ( $\mu g/L$ ).
  - 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
  4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ

- 5) B. = Below Report Limit; reported data values have a data quantier of U. 3, or U.

  7) U = No Sample Available (Well Dry)

  7) U = Not detected at the listed reporting limit.

  8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.

  9) UI = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.

  12) CRQL = Contract Required Quantitation Limit

- 13) Samples analyzed for <u>Dissolved</u> Inorganics were field filtered using a .45 micron, gravity flow filter.

  14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.



#### Groundwater Analysis Summary Table for Creek Surface Water Sample Location SW-52

		Sa	impling Event (All Re	sults Expressed in U	nits of μg/l)		7	
Compound	March-05	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
norganics - Metals (Dissolved) <sup>13</sup>								
Aluminum	55.3	30.0	16.4	12.5	16.4	15.7		200
Antimony	3.9	4.0	4.0	2.7	4.0	4.0	60	60
Arsenic	10.0 J	3.8	3.8 UJ	3.5	3.8 UJ	4.0	20	10
Barium	42.2	48.2	51.4	51.2	41.1	48.0	1,000	200
Beryllium	0.2	0.1	0.1	0.1	0.1	0.5	5	5
Cadmium	0.3	0.1	0.1	0.1	0.1	0.1	5	5
Calcium	97,600	94,500	86,800	10,300	99,500	83,100		5,000
Chromium	1.5	0.8	0.8	3.8	3.9	1.8	- 11	10
Cobalt	0.6	0.6	0.6	0.4	0.6	0.7	16.40.815.116	50
Copper	1.2	0.7	1.3	0.8	0.7	1.4	25	25
Iron	9.1	10.5	10.5	2.9	10.5	12.9	7,000	100
Lead	2.4 UJ	1.4 UJ	1.4	1.7	1.4 UJ	1.8	4.2	3
Magnesium	31,500	26,100	24,900	29,800	27,100	23,200		5,000
Manganese	1.3	3.9 J	5.1	0.1	3.5	4.9		15
Mercury	0.1	0.1	0.1	0.1	0,1	0.1	0.2	0.2
Nickel	1.1	0.4 UJ	0.4	0.4	0.4	0.5	96	40
Potassium	1,660	3,510	3,570 J	2,720 J	1,470	2,690 J		5,000
Selenium	4.4 R	3.5 R	3.5 UJ	3.0 UJ	3.5 UJ	4.9 UJ	8.5	5
Silver	0.9	1.1	1.3	0.6	2.0	1.0	10	10
Sodium	88,900	54,900	53,500	95,600	35,000	46,100		5,000
Thallium	6.3 UJ	4.1	4.1	5.1	4.1	2.6	40	10
Vanadium	9.8	10.9	4.8	1.6	2.0	1.2		50
Zinc	3.6	8.9	1.1	8.3	6.1	0.7	86	20
Inorganics - Metals and Cyanide								
(Total) Aluminum	55.3	07.7	110	10.7	16.4	22.6	T 1	
		97.2	118	19.7	16.4	33.6	-	
Antimony	3.9	4.0	4.0	2.7	5.2	4.0		
Arsenic	9.8 J	3.9	3.8	3.5	3.8 UJ	4.0		
Barium	39.9	49.5	54.6	49.4	45.8	48.6		State of the last
Beryllium	0.2	0.1	0.1	0.1	0.1	0.5		
Cadmium	0.3	0.1	0.1	0.1	0.1	0.1		
Calcium	90,100	89,800	86,600	105,000	110,000	83,700		
Chromium	1.5	5.1	0.8	3.8	4.3	1.6		
Cobalt	0.6 1.2	0.6	0.6	0.4	0.6	0.7		
Copper			0.7	0.8	0.7	1.4	40	10
Cyanide	0.6	0.6	0.8	0.6	2.2	0.6	10	10
Iron	24.2 2.4 UJ	38.3 U	147	34,3	46.3	49.3		
Lead		1.4 UJ	1.4	1.7	1.4 UJ	1.8		
Mangesium Manganese	28,700 1.5	25,600 7.6 J	23,700	29,100 1.2	29,900	23,100 7.8		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1		
Nickel	1.1	0.4 UJ	0.4	0.4	0.4	0.5		
Potassium	1,580	3,400	3,570	2,710 J	1,830	2,780 J		
Selenium	4.4 R	3.5 R	3.5	3.0 UJ	7.5 J	4.9 UJ		
Silver	0.9	1.1	1.5	0.6	2.3	1.0	-	
Sodium	85,600	52,800	53,000	96,800	39,400	48,200		
Thallium	6.3	4.1	4.1	8.4	4.1	2.6	_	
Vanadium	9.9	10.9	4.5	1.6	1.9	1.2		
Zinc	0.7	5.6	1.1	8.3	5.0	6.2	+	_
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Carbon Disulfide				0.62 J	1.0 R	1.0 U		1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

#### Notes:

- All results expressed in micrograms per liter (μg/L).
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
  4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
   = No Sample Available (Well Dry)
   U = Not detected at the listed reporting limit.

- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UI = A value less than the CRQL but greater than the MDL.

  10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.

  12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a .45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.



#### Groundwater Analysis Summary Table for Outfall Surface Water Run Off Location SWD-1

		Sampling Even	t (All Results Expressed	in Units of μg/l)			
			Quarterly Results				
Compound	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
norganics - Metals (Dissolved) <sup>13</sup>	Location is Dry	Location is Dry	Location is Dry		Location is Dry		
Muminum		_		16.4	_	Laborate State of	200
antimony	_	-	_	4.0	_	60	60
arsenic	_	_		3.8	_	20	10
Barium	_	_		24.5 J	_	1,000	200
eryllium	_	_	_	0.1	_	5	5
Cadmium	_	_		0.1	_	5	5
Calcium		_		64,600 J	_	100000000000000000000000000000000000000	5,000
Chromium		_		0.8	_	11	10
Cobalt	_			0.6		- 11	50
				Account to the second s		25	25
Copper			_	0.7			100
ron	<del>-</del>		<del></del>	10.5		7,000	
ead				1.4 UJ	-	4.2	3
Magnesium			_	10,700 J	-		5,000
Manganese				1.0	- 13 31		15
Mercury	_	-	_	0.1		0.2	0.2
Vickel	_	_	_	0.4	_	96	40
Potassium		_		4,250 J	- 113		5,000
elenium	_		- /	3.5 R		8.5	5
Silver	_	_	_	1.1	- 1.73	10	10
Sodium	_	_	_	2,260 J	_	YEAR TO SEE	5,000
hallium	_	_	_	4.1	_	40	10
/anadium	_	_	_	1.6	- 333	Maria Sala	50
Zinc	_	_		34.8		86	20
Inorganics - Metals and Cyanide			and the same of				99748
Total)				560 1			
'uminum				560 J			
ntimony				4.0			
Arsenic	<del>-</del>		ALIENTI TOUR	3.8			
Barium				29.2 J			
Beryllium	_	_		0.1	_		
Cadmium	Maria -	_		0.1			
Calcium		_	_	69,600	_ 1000		
Chromium			- 1	1.9	444		
Cobalt	_	_	_	0.6	_		
Copper	<u> </u>	_	_	1.7	_		
Cyanide	_	_	_	1.4	_	10	10
ron	_	_	_	1,050 J	_		
ead	_	_	_	1.4	_		
Magnesium	_	_	_	11,700	_		
Manganese	_	_		24.2 J	_	A CARLO DE	
Mercury	_			0.1	_		
lickel	<del>-</del>	_	_	1.0	_		
Potassium	_	_	_	4,680 J	_	1	
Selenium	_	_	_	3.5 R	_		
Silver	_	_	_	1.1	_		
						-	
Sodium			<del>-</del>	2,300 J		-	
Thallium	<del>-</del>		_	4.1	_		
/anadium	<del>-</del>			3.3		-	
Zinc	_		_	49.6		_	
Volatile Organic Compounds (VOCs)		_	_	BRL	_		
Semi-Volatile Organic Compounds SVOCs)	_	_	_	BRL	_		

(SVOCs)

Pesticides / PCBs

- All results expressed in micrograms per liter (μg/L).
   Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
  6) = No Sample Available (Location is Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.

  10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for <u>Dissolved</u> Inorganics were field filtered using a .45 micron, gravity flow filter.

  14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.



BRL

#### Groundwater Analysis Summary Table for Outfall Surface Water Run Off Location SWD-2

IGGER EVEL	CRQL
	200
60	60
20	10
1,000	200
5	5
5	5
	5,000
11	10
	50
25	25
7,000	100
4.2	3
	5,000
	15
0.2	0.2
96	40
	5,000
8.5	5
10	10
	5 5 11 11 225 77,000 4.2 96

2,210

4.1

1.4

34.4

39.6 J 4.0

10

50

Inorganics - Metals and Cyanide (Total)

Ah	ıminum
ш-	

Sodium

Thallium

Vanadium

Arsenic	_		The state of the s	3.8	_	100	
Barium	_	_		20.1 J	_		
Beryllium	_	_	_	0.1	_		
Cadmium	_	_		0.1	-	The Mark Line	
Calcium		-		122,000			
Chromium				2.1	_		F 501
Cobalt	_	_	_	0.6	_		
Copper	_	_	_	0.7	_		
Cyanide	_		_	0.6	_	10	10
Iron	_	_	_	35.6 J	_	The second	
Lead	-	_	_	1.4	_		
Magnesium	_	_		33,200	_		
Manganese				1.7 J	_		
Mercury		_		0.1	_		
Nickel	_	_	_	0.6	_		
Potassium	_	_		2,270 Ј	_		
Selenium	_	_	_	3.5 R	_		
Silver	_	_	_	1.1	_		
Sodium	_	_	_	1,520 J	_		
Thallium	_	_	_	4.1	_		
Vanadium	_	_	_	3.0	_		
Zinc	_	_	_	1.1	_		
Volatile Organic Compounds (VOCs)	_	_	-	BRL	_		
Semi-Volatile Organic Compounds (SVOCs)	_	-	_	BRL	_		

Pesticides / PCBs

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL) 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
- 6) = No Sample Available (Location is Dry)
   7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.

  11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for <u>Dissolved</u> Inorganics were field filtered using a .45 micron, gravity flow filter.

  14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.



#### Groundwater Analysis Summary Table for Outfall Surface Water Run Off Location SWD-3

		Sampling Eve	nt (All Results Expresse	ed in Units of µg/l)		1	
		1					
Compound	June-05	September-05	December-05	March-06	June-06	TRIGGER LEVEL	CRQL
norganics - Metals (Dissolved) <sup>13</sup>	Location is Dry	Location is Dry			Location is Dry		
Aluminum	_	_	12.5	16.4	_		200
Antimony	_	_	2.7	4	-	60	60
Arsenic	_	_	3.5	3.8	_	20	10
Barium	_	_	14.8 J	21.3 J	_	1,000	200
Beryllium	_	_	0.1	0.1	_	5	5
Cadmium	_	_	0.1	0.1	_	5	5
Calcium		- 1	57,300	66,700 J	_		5,000
Chromium	_	_	1.7	0.8		11	10
Cobalt	_	_	0.4	0.6	_	A SAME DAVIS	50
Copper	_	_	1.8	0.7	-	25	25
ron	_	_	2.9	10.5	_	7,000	100
ead	_	_	1.7	1.4	- 1	4.2	3
Magnesium	_	-	10,900	12,900 J	-	DESCRIPTION OF	5,000
Manganese	_	_	0.5	2.9			15
Mercury	_	_	0.1	0.1	-	0.2	0.2
Nickel	_	_	0.4	0.5	_	96	40
Potassium	_	_	3,570	3,980 J	_	TELEPHONE IN	5,000
Selenium	_	_	3.0	3.5 R	_	8.5	5
Silver	_	_	0.6	1.1	_	10	10
Sodium	_	_	2,730	3,960 J	_		5,000
Thallium	_	_	1.4	4.1	_	40	10
Vanadium	_	_	1.6	1.6	_		50
Zinc	_		5.6	1.1	_	86	20
Inorganics - Metals and Cyanide	aught and a second		5.0			50	
(Total)							
Aluminum	_	_	439	3,040 J	- 153		SINE THE
Antimony	_	_	2.7	4.0	_	100000000000000000000000000000000000000	
Arsenic	_	_	3.5	3.8			
Barium	_	_	16.8 J	35.4 J	_		
Beryllium	_	_	0.1	0.1	_		
Cadmium	_	_	0.1	0.1	_		
Calcium	_		56,000	68,900			
Chromium	_	_	2.5	4.3	_		10233
Cobalt	_	_	0.4	1.4	_		
Copper	_	_	2.0	2.8	_		
Cyanide	_	_	0.6	0.8	_	10	10
iron	_	_	757 J	3,730 J	_	77 29 7 3 5 9 9	
Lead	_	_	1.7	1.4	_		
Magnesium	_		10,400	14000	_		
Manganese	_	_	22.6	81.6 J			
Mercury	_	-	0.1	0.1	_		
Nickel	_	_	0.4	3.3	_		
Potassium	_	_	3,670	4,680 J	_		
Selenium	_	_	3.0	3.5 R	_		
Silver	_	_	0.6	1.1	_		
Sodium		_	2,410	3,900 J	_		
Thallium	_	_	1.4	4.1	_		
Vanadium	_	_	1.6	6.2	_		
Zinc	-	_	13.4	12.1	-		
Volatile Organic Compounds (VOCs)	_	_	BRL	BRL	_		
Acetone				3.1 J		MITA JOSAF FEED	1.0
Semi-Volatile Organic Compounds SVOCs)	-	-	BRL	BRL	-		1.0
Pesticides / PCBs	_	_	BRL	BRL	_		
Parks and the second se							

#### Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- Standard Inorganic Data Qualifiers have been used.
   Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.

Γ

- 4) Both red returns with a tinck outline indicates a detection above the Trigger Level.

  5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ

  6) = No Sample Available (Location is Dry)

  7) U = Not detected at the listed reporting limit.

  8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.

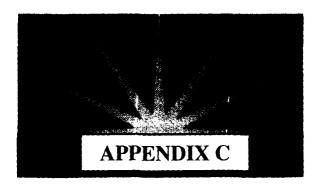
  9) UI = A value less than the CRQL but greater than the MDL.

- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.

  11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 12) Care analyzed for <u>Dissolved</u> [norganics were field filtered using a .45 micron, gravity flow filter.

  14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.





# LABORATORY DATA VALIDATION REPORT



#### DATA VALIDATION REPORT

#### **FOR**

SKINNER LANDFILL SITE

**EARTH TECH: PROJECT NUMBER 54280** 

**LABORATORY REPORT NUMBER 206061713** 

PROJECT MANAGER: Ron Rolker

Date: August 29, 2006

Data Validator: Mark Kromis

#### LIST OF ACRONYMS

BFB Bromofluorobenzene
CC Continuing Calibration

Alianti,

CCV Continuing Calibration Verification
CCB Continuing Calibration Blanks
CLP Contract Laboratory Program
CRDL Contract Required Detection Limit
DFTPP Decafluorotriphenylphosphine

GC/MS Gas Chromatograph/Mass Spectrometer

IC Initial Calibration

ICB Initial Calibration Blank
IDL Instrument Detection Limit
ICP Inductively Coupled Plasma
ICS Interference Check Sample
ICV Initial Calibration Verification

ILM Inorganic Analysis Multi-Media Multi-Concentration

INDAM Individual A Mixture INDBM Individual B Mixture mg/L milligrams per liter

MS/MSD Matrix Spike/Matrix Spike Duplicate
OLC Organic Analysis Low Concentration

OLM Organic Analysis Multi-Media Multi-Concentration

%D Percent Difference

% RSD Percent Relative Standard Deviation

PB Preparation Blanks
QC Quality Control
RF Response Factor

RPD Relative Percent Difference
RRF Relative Response Factor
SDG Sample Delivery Group
SOW Statement of Work

µg/L micrograms per liter

US EPA United States Environmental Protection Agency

VOC Volatile Organic Compounds VTSR Validated Time of Sample Receipt

#### DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061713 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 206061713.

GCAL #	Sample Description
20606171301	SK-SW50-1018
20606171302	SK-SW50MS-1018
20606171304	SK-SW50DUP-1018
20606171305	SK-SW51-1018
20606171306	SK-SW51DUPE-1018
20606171307	SK-SW-52-1018
20606171308	SK-SWEB-1018
20606171310	SK-SW50-1018 (DISS)
20606171311	SK-SW50MS-1018 (DISS)
20606171312	SK-SW50DUP-1018 (DISS)
20606171313	SK-SW51-1018 (DISS)
20606171314	SK-SW51DUPE-1018 (DISS)
20606171315	SK-SW-52-1018 (DISS)
20606171316	SK-SWEB-1018 (DISS)

#### INTRODUCTION

Analyses of metals were performed according to Contract Laboratory Program (CLP)-Inorganic Analysis Multi-media Multi-concentration ILM04.1 Statement of Work (SOW). Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values maybe used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

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- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the inorganics data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. Calibration
  - A. Initial Calibration (IC)
  - B. Continuing Calibration (CC)
- 3. Blanks
- 4. Inductively Coupled Plasma (ICP) Interference Check Sample
- 5. Laboratory Control Sample (LCS)
- 6. Duplicate Analysis
- 7. Spike Sample Analysis
- 8. ICP Serial Dilution
- 9. System Performance
- 10. Documentation
- 11. Overall Assessment

#### 1. HOLDING TIMES

All samples for inorganics analyses were analyzed within the 180-day holding time for preserved aqueous samples. Mercury analyses were conducted within the 28-day holding time for aqueous samples undergoing CLP protocol. Cyanide analyses were conducted within the 14-day holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

#### 2. CALIBRATION

#### A. Initial Calibration

The percent recoveries for the Initial Calibration Verification (ICV) standard were within Quality Control (OC) limits for all constituents.

#### B. Continuing Calibration

The percent recoveries for the Continuing Calibration Verification (CCV) standard were within QC limits for all constituents.

#### 3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB blanks above the corresponding Contract Required Detection Limit (CRDL).

#### 4. ICP INTERFERENCE CHECK SAMPLE

Results for the ICP analysis of the Interference Check Sample (ICS) solution AB were within 20% of the true value.

#### 5. LABORATORY CONTROL SAMPLES

Recoveries were within the control limit (80-120%) for all constituents.

#### 6. DUPLICATE ANALYSIS

The laboratory used samples SK-SW50-1018 (total and dissolved fractions) for the duplicate samples. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes.

#### 7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SK-SW50-1018 (total and dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception Selenium (60%) in the dissolved fraction.

As per the National Functional Guidelines, if the percent recovery is greater than 30% but less than 75% qualify results greater than the IDL with "J" and non-detected results with "UJ".

#### 8. ICP SERIAL DILUTION

As noted in the National Functional Guidelines: If the analyte concentration is at least 50 times above the IDL, its serial dilution analysis must then agree within 10% of the original determination after corrected for dilution. The serial dilution is performed to determine whether any significant chemical or physical interference's exist due to matrix effects. The serial dilution percent differences were within the acceptance criteria for all target analytes with the exception of Potassium associated with the total fraction. As per the National Functional Guidelines, if the serial dilution %D exceeds the acceptance criteria then qualify results associated with that analyte as estimated with a "J".

#### 9. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

#### 10. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

#### 11. OVERALL ASSESSMENT

The percent recoveries for Silver in the Contract Required Detection Limit (CRDL) standards analyzed on 6/23/06 were 79, 81%, 82%, 82%, and 81%. As per the National Functional Guidelines, if the CRDL is below 80% then detected results are qualified as estimated with "J" and non-detected results with "UJ". The results are acceptable with the validator-added qualifiers.

11) 142 p

### DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061713 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999) as appropriate. The results were reported by GCAL under SDG 206061713.

GCAL #	Sample Description
20606171301	SK-SW50-1018
20606171302	SK-SW50MS-1018
20606171303	SK-SW50MSD-1018
20606171305	SK-SW51-1018
20606171306	SK-SW51DUPE-1018
20606171307	SK-SW-52-1018
20606171308	SK-SWEB-1018

#### INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various data qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the semivolatile data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. GC/MS Tuning
- 3. Calibration
  - A. IC
  - B. CC
- 4. Blanks
- 5. System Monitoring Compound Recovery
- 6. MS/MSD

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- 7. Internal Standards Performance
- 8. Compound Identification
- 9. Constituent Quantitation and Reported Detection Limits
- 10. System Performance
- 11. Documentation
- 12. Overall Assessment

#### 1. HOLDING TIMES

The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. All samples were extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time.

#### 2. GC/MS TUNING

The samples were analyzed on a single GC/MS system, identified as MSSV3. One decafluorotriphenylphosphine (DFTPP) tune was run representing the shift in which the standards and samples were analyzed. The DFTPP tune is acceptable.

#### 3. CALIBRATION

#### A. Initial Calibration

One IC dated 6/21/06 was analyzed in support of the semivolatile sample analyses. Documentation of the IC was present in the data package, and the Relative Response Factor (RRF), as well as percent % RSD values were accurately reported for all target compounds. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all semi-volatile compounds. The RRF's and the average RRF for the IC's were within the acceptance criteria specified in the method for all target compounds.

#### B. Continuing Calibration

One CC dated 6/21/06 was analyzed in support of the semivolatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRF's and the CC Response Factors for the CC's were within the acceptance criteria for the CC dated 6/21/06.

#### 4. BLANKS

One laboratory semivolatile method blank and an Equipment Blank were analyzed with this SDG. The results are summarized below.

#### Method Blank (MB382003)

Bis-(2-ethylhexyl) phthalate (0.707 ppb) was detected in the blank extracted on 6/19/06.

#### Equipment Blank (SK-SWEB -1018)

Bis-(2-ethylhexyl) phthalate (1.86 ppb) was detected in the Equipment Blank collected on 6/16/06. The Bis-(2-ethylhexyl) phthalate detected in the Equipment Blank was mitigated by the presence of Bis-(2-ethylhexyl) phthalate in the associated Method Blank.

#### 5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits.

#### 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

Sample SK-SW50-1018 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of 4-Nitrophenol. As per the National Functional Guidelines no action is taken on MS/MSD data alone.

#### 7. INTERNAL STANDARDS PERFORMANCE

Internal standard (IS) areas and Retention Times (RT) were within the acceptance limits for the reported semivolatile samples.

#### 8. COMPOUND IDENTIFICATION

All reported semivolatile constituents were correctly identified with supporting chromatograms present in the data package.

### 9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents.

#### 10. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data submitted for review.

#### 11. DOCUMENTATION

There was no extraction date or preparation method listed on Form I SV-TIC. The analytical method reported by the GCAL on the Form I SV-TIC was listed as SW-846 8270C when it should have been listed as OLM04.2. The data validator manually made the corrections.

#### 12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

#### DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061713 VOLATILE ORGANIC

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 206061713.

GCAL#	Sample Description
20606171301	SK-SW50-1018
20606171302	SK-SW50MS-1018
20606171303	SK-SW50MSD-1018
20606171305	SK-SW51-1018
20606171306	SK-SW51DUPE-1018
20606171307	SK-SW-52-1018
20606171308	SK-SWEB-1018

#### INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Low Concentration OLC02.0 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- U.I The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The volatiles data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. GC/MS Tuning
- 3. Calibration
  - A. IC
  - B. CC
- 4. Blanks
- 5. System Monitoring Compound Recovery
- 6. MS/MSD
- 7. Laboratory Control Sample
- 8. Internal Standards Performance
- 9. Compound Identification
- 10. Constituent Quantitation and Reported Detection Limits
- 11. System Performance
- 12. Documentation
- 13. Overall Assessment

#### 1. HOLDING TIMES

PARTITION !

All samples for Volatile Organic Compounds (VOC) analyses were analyzed within the 14-day technical holding time and the 10-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

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#### 2. GC/MS TUNING

The samples were analyzed one GC/MS system, identified as MSV0. Two bromofluorobenzene (BFB) tunes were run on MSV0. The BFB tunes are acceptable.

#### 3. CALIBRATION

#### A. Initial Calibration

One IC dated 6/20/06 was analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRF's as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds.

The RRF's and the average RRF for the IC were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone associated with the IC dated 6/20/06. The %RSD's were within the acceptance criteria specified in the method for all target compounds.

### B. Continuing Calibration

One CC dated 6/21/06 was analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions.

The percent difference (%D) between the average RRF's and the CC RF's for the CC dated 6/21/06 were within the acceptance criteria for all target compounds with the exception of 1,2,4-Trichlorobenzene. The CC RRF's for the CC dated 6/21/06 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone.

As per the National Functional Guidelines, if the %D is outside the +/- 25% criteria then qualify positive results with "J" and non-detected results with "UJ". If the CC RF is less than the acceptance criteria then qualify detected results with "J" and non-detected results with "R".

#### 4. BLANKS

One laboratory volatile method blank, storage blank, and an Equipment Blank were analyzed with this SDG. The results are summarized below.

#### MB382601

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There were no compounds detected above the Reporting Limit (RL) in the method blank analyzed on 6/21/06 (1012).

#### Storage Blank (VHBLK)

There were no compounds detected above the Reporting Limit (RL) in the Storage Blank analyzed on 6/21/06.

#### Equipment Blank (SK-SWEB-1018)

Acetone (2.9 ppb) was detected in the Equipment Blank collected on 6/16/06.

#### 5. SYSTEM MONITORING COMPOUND RECOVERY

All reported volatile system monitoring compounds (SMC) were recovered within acceptable control limits (80%-120%).

#### 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-SW50-1018 was submitted for the MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria. The RPD between the compounds were within the acceptance criteria.

#### 7. LABORATORY CONTROL SAMPLE

One Laboratory Control Sample was analyzed in conjunction with this SDG. Recoveries were within the control limit for all constituents.

#### 8. INTERNAL STANDARDS PERFORMANCE

Internal Standard (IS) areas and retention times were within acceptable limits for the reported volatile sample analyses.

#### 9. COMPOUND IDENTIFICATION

All reported VOCs were correctly identified with supporting chromatograms present in the data package.

#### 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

#### 11. SYSTEM PERFORMANCE

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The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

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#### 12. **DOCUMENTATION**

The documentation submitted for review appeared accurate and in order.

### 13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

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## DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 206061713 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 206061713.

GCAL#	Sample Description
20606171301	SK-SW50-1018
20606171302	SK-SW50MS-1018
20606171303	SK-SW50MSD-1018
20606171305	SK-SW51-1018
20606171306	SK-SW51DUPE-1018
20606171307	SK-SW-52-1018
20606171308	SK-SWEB-1018

#### INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. Various qualifier codes are used by the laboratory to denote specific information regarding the analytical results.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

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- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the pesticide data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. Gas Chromatograph/Electronic Capture Detector (GC/ECD) Instrument Performance Check
- 3. IC
- 4. Calibration Verification
- 5. Blanks
- 6. Surrogate Spikes
- 7. Matrix Spike/Matrix Spike Duplicate (MS/MSD)
- 8. Pesticide Cleanup Checks
- 9. Target Compound Identification
- 10. Constituent Quantitation and Reported Detection Limits
- 11. Documentation
- 12. Overall Assessment

#### 1. HOLDING TIMES

The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. All samples were initially extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time.

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#### 2. GC/ECD INSTRUMENT PERFORMANCE CHECK

The Performance Evaluation Mixture (PEM) was analyzed at the correct frequency. Absolute retention times were within limits. The percent resolution between adjacent peaks was within QC limits for the Pesticide Analyte Resolution Check. The percent resolution between adjacent peaks is within QC limits for the Performance Evaluation Mixtures (PEM).

The percent breakdown for both 4,4'-DDT and Endrin in each PEM was less than 20.0% for both GC columns. The combined percent breakdown for 4,4'-DDT and Endrin in each PEM was less than 30.0% for both GC columns.

#### 3. INITIAL CALIBRATION

Individual standard mixtures A and B were analyzed at the correct frequencies and concentrations. The percent resolution criterion for Individual standard mixtures A and B were within the acceptance criteria.

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20%. The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks.

#### 4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of  $\pm 25.0$  percent for the calibration verifications.

The percent difference for each of the pesticides and surrogates in the midpoint concentration of the Individual Standard Mixtures A and B was within the acceptance criteria of  $\pm 25.0$  percent.

#### 5. BLANKS

One laboratory method blanks and an Equipment blank were analyzed with this SDG. The results are summarized below.

#### Method Blank 381997

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 6/19/06.

#### Equipment Blank SK-SWEB-1018

No constituents were detected above the laboratory-reporting limit in the Equipment Blank collected on 6/16/06.

#### 6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples except as follows:

SK-SWEB-1018 TCX (26%)

As per the National Functional Guidelines, if recoveries are between 10 and 30 percent qualify results greater than the detection limit with "J" and non-detected results with "UJ".

#### 7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-SW50-1018 was submitted for MS/MSD analysis. All of the percent recoveries associated with the MS/MSD were within the acceptance criteria with the exception of the following: Lindane associated with the MS/MSD, Aldrin and Heptachlor associated with the MSD. All of the RPD's between the MS/MSD were outside of the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD data alone.

#### 8. PESTICIDE CLEANUP CHECKS

Recoveries of all pesticides and surrogates were within 80-120% for the lot of Florisil cartridges utilized for pesticide cleanup.

#### 9. TARGET COMPOUND IDENTIFICATION

All reported pesticide data were correctly identified with supporting chromatograms present in the data package.

#### 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported.

#### 11. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

#### 12. OVERALL ASSESSMENT

The results are acceptable as qualified by the data validator.

#### REFERENCES

US EPA, 1994. National Functional Guidelines for Inorganic Data Review.

US EPA, 1999. National Functional Guidelines for Organic Data Review.



### **ANALYTICAL RESULTS**

#### PERFORMED BY

**GULF COAST ANALYTICAL LABORATORIES, INC.** 

**Report Date** 07/05/2006

**GCAL Report** 206061713

#### RESUBMITTED

Deliver To Earth Tech

2373 Progress St Hebron, KY 41048 859-442-2300

Attn Pat Higgins

Customer Earth Tech

Project Skinner Landfill

#### CASE NARRATIVE

Client: Earth Tech Report: 206061713

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

#### SEMI-VOLATILES MASS CHROMATOGRAPHY

In the OLM04.2 Semivolatiles analysis for prep batch 326007, the MS/MSD exhibited sporadic recovery failures. All LCS/LCSD recoveries and RPDs were acceptable. This is attributed to matrix interference.

#### **SEMI-VOLATILES GAS CHROMATOGRAPHY**

In the OLM04.2 - CLP Pest/PCB analysis for prep batch 326006, the MS/MSD exhibited recovery and RPD failures.

In the OLM04.2 - CLP Pest/PCB analysis, the recovery for the surrogate, Tetrachloro-m-xylene was outside the advisory limits for sample 20606171308 (SK-SWEB-1018). The recovery for this surrogate was acceptable on the second column. According to the method, no action is required for this failure.

#### **METALS**

In the ILM04.1 - CLP Metals analysis for prep batch 326037, the MS and/or MSD recovery was outside the control limits for Selenium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The Sample/Duplicate RPD for Aluminum, Iron, Manganese and Zinc is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.



### **ANALYTICAL RESULTS**

PERFORMED BY

**GULF COAST ANALYTICAL LABORATORIES, INC.** 

Report Date 07/05/2006

GCAL Report \_206061713

Deliver To Earth Tech 1455 Old Alabama Rd Suite 170 Roswell, GA 30076 770-990-1400

Attn Mark Kromis

Customer Earth Tech

Project Skinner Landfill

#### CASE NARRATIVE

Client: Earth Tech Report: 206061713

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

#### SEMI-VOLATILES MASS CHROMATOGRAPHY

In the OLM04.2 Semivolatiles analysis for prep batch 326007, the MS/MSD exhibited sporadic recovery failures. All LCS/LCSD recoveries and RPDs were acceptable. This is attributed to matrix interference.

#### SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis for prep batch 326006, the MS/MSD exhibited recovery and RPD failures.

In the OLM04.2 - CLP Pest/PCB analysis, sample 20606171308 (SK-SWEB-1018) exhibited low surrogate recoveries in the primary analysis. This sample was re-extracted and analyzed with a similar surrogate recovery. This is attributed to matrix interference.

#### **METALS**

In the ILM04.1 - CLP Metals analysis for prep batch 326037, the MS and/or MSD recovery was outside the control limits for Selenium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The Sample/Duplicate RPD for Aluminum, Iron, Manganese and Zinc is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

### Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

#### **Common Abbreviations Utilized in this Report**

ND Indicates the result was Not Detected at the specified RDL

**DO** Indicates the result was Diluted Out

MI Indicates the result was subject to Matrix Interference
TNTC Indicates the result was Too Numerous To Count

SUBC Indicates the analysis was Sub-Contracted

FLD Indicates the analysis was performed in the Field

PQL Practical Quantitation Limit
MDL Method Detection Limit
RDL Reporting Detection Limit

00:00 Reported as a time equivalent to 12:00 AM

#### Reporting Flags Utilized in this Report

J Indicates an estimated value

U Indicates the compound was analyzed for but not detected

B (ORGANICS) Indicates the analyte was detected in the associated Method Blank

B (INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

**CURTIS EKKER** 

DATA VALIDATION MANAGER

**GCAL REPORT** 206061713

THIS REPORT CONTAINS 544 PAGE

## Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606171301	SK-SW50-1018	Water	06/15/2006 14:50	06/17/2006 09:20
20606171302	SK-SW50MS-1018	Water	06/15/2006 15:00	06/17/2006 09:20
20606171303	SK-SW50MSD-1018	Water	06/15/2006 15:10	06/17/2006 09:20
20606171304	SK-SW50DUP-1018	Water	06/15/2006 15:10	06/17/2006 09:20
20606171305	SK-SW51-1018	Water	06/16/2006 08:10	06/17/2006 09:20
20606171306	SK-SW51DUPE-1018	Water	06/16/2006 08:20	06/17/2006 09:20
20606171307	SK-SW52-1018	Water	06/16/2006 08:35	06/17/2006 09:20
20606171308	SK-SWEB-1018	Water	06/16/2006 09:15	06/17/2006 09:20
20606171309	VHBLK	Water		06/17/2006 09:20
20606171310	SK-SW50-1018 (DISS)	Water	06/15/2006 14:50	06/17/2006 09:20
20606171311	SK-SW50MS-1018 (DISS)	Water	06/15/2006 15:00	06/17/2006 ()9:20
20606171312	SK-SW50DUP-1018 (DISS)	Water	06/15/2006 15:10	06/17/2006 09:20
20606171313	SK-SW51-1018 (DISS)	Water	06/16/2006 08:10	06/17/2006 09:20
20606171314	SK-SW51DUPE-1018 (DISS)	Water	06/16/2006 08:20	06/17/2006 C9:20
20606171315	SK-SW52-1018 (DISS)	Water	06/16/2006 08:35	06/17/2006 09:20
20606171316	SK-SWEB-1018 (DISS)	Water	06/16/2006 09:15	06/17/2006 09:20

### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CIV C	MIEO	4040	
SK-S	VV ⊃U~	1010	

Lah Name: GC	Contract:			L		
	CAL Contract:  D24 Case No.:				1713	
Matrix: (soil/water				3DG No 20000	and the gradient of the first Special constraints of the first Spe	and the second second
	•					
Sample wt/vol:	25 (g/ml) mL	_ Lab Sample ID:	2060617130	1	and the second s	
Level: (low/med)	متناه المتعارض والمتعارض و	Lab File ID: 20	60621/V3561	Company of Aggreent company and a	a distribution of the contraction of the contractio	
	tec.				450	
	B-624-30M ID: .53 (mm)			Company of the control of the contro		
	MSV0				135	
Soil Extract Volur					JCK	
Soil Aliquot Volun	ne: ( µL )	Prep Batch:	Jakota, magyatasida - a summaruma yan	Analytical	Batch: 326150	
CONCENTRAT	TION UNITS: ug/L	Analytical Method	d: OLCO 2.1	the of the same of the same that the same th		
CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	T 0 1	0.010	1.0	7
79-34-5	1,1,2,2-Tetrachioroethane	1.0	+	0.010	1.0	-
79-00-5	1,1,2-Trichloroethane	1.0	1 0	0.010	1.0	
75-34-3	1.1-Dichloroethane	1.0	<del>                                     </del>	0.010	1.0	-
75-35-4	1,1-Dichloroethene	1.0	T U	0.010	1.0	-{
120-82-1	1,2,4-Trichlorobenzene	1.0	1	0.010	1.0	T us
106-93-4	1,2-Dibromoethane	1.0	T U	0.010	1.0	<b>⊣ ~′</b> ′
95-50-1	1.2-Dichlorobenzene	1.0	T U	0.010	1.0	┥
107-06-2	1,2-Dichloroethane	1.0	T U	0.010	1.0	-
540-59-0	1,2-Dichloroethene	1.0	1 - 0 - 1	0.010	1.0	7
78-87-5	1,2-Dichloropropane	1.0	<del>-   -  </del>	0.010	1.0	⊣
541-73-1	1.3-Dichlorobenzene	1.0	1 0 1	0.010	1.0	7
106-46-7	1,4-Dichlorobenzene	1.0	1 0	0.010	1.0	7
78-93-3	2-Butanone	5.0	U	0.010	5.0	Ⅎ
591-78-6	2-Hexanone	5.0	<del>                                     </del>	0.010	5.0	7
108-10-1	4-Methyl-2-pentanone	5.0	1 0	0.010	5.0	7
67-64-1	Acetone	5.0	U	0.010	5.0	1
71-43-2	Benzene	1.0	U	0.010	1.0	┦''
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	7
75-25-2	Bromoform	1.0	Ü	0.010	1.0	7
74-83-9	Bromomethane	1.0	U	0.010	1.0	7
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	7
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	]
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	]
75-00-3	Chloroethane	1.0	Ú	0.010	1.0	]
67-66-3	Chloroform	1.0	U	0.010	1.0	]
74-87-3	Chloromethane	1.0	Ü	0.010	1.0	]
124-43-1	Dibromochloromethane	1,0	Ü	0.010	1.0	]
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	]
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	]
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	7

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#### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

dis sales and

SAMPLE NO.

SK-SW50-1018

Lab Name: GCAL Contra	ct:	r deliverar in des galages gevierk i spring og gassen sedge i tiller handeskelse gare	management of the state of the	THE HANDSHIP SHOWS YOU THE	
Lab Code: LA024 Case No.:					1713
Matrix: (soil/water) Water					
Sample wt/vol: 25 (g/ml) mL			206061713	301	a angligina and be different constitution of a supersymmetric study of
_evel: (low/med)		Lab Cila ID. 200			
% Moisture: not dec.		Date Collected:	06/15/06	Time: 14	150
GC Column: DB-624-30M ID: .53			06/17/06	was an expense of the state of the state of	and harries - The large of the control to the control
nstrument ID: MSV0				Time: 1	
Soil Extract Volume:		Dilution Factor:	1	Analyst:	JCK
Soil Aliquot Volume:	( µL )	Prep Batch:		Analytical	Batch: 326150
CONCENTRATION UNITS: ug/L		Analytical Method:	OLCO 2	. 1	
CAS NO. COMPOUND		RESULT	Q	MDL	RL
75-09-2 Methylene chloride		2.0	U	0.010	2.0
1:00-42-5 Styrene		1.0	U	0.010	1.0
127-18-4 Tetrachloroethene		1.0	U	0.010	1.0
108-88-3 Toluene		1.0	U	0.010	1.0
79-01-6 Trichloroethene		1.0	U	0.010	1.0
75-01-4 Vinyl chloride		1.0	U	0.010	1.0
1330-20-7 Xylene (total)		1.0	U	0.010	1.0

1E

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	
SK-SW50-1018	 
SK-SW50-1018	 -

Lab Name: GCAL	_Contract:	n state of the sta	ervery very source stars, granter - dystalator specific	<u> </u>	
Lab Code: LA024 Case No.:		SAS No.:	Modern 1887 - Annika Morenson um era 1880 - Annie	SDG No.: 206	6061713
Matrix: Water	And the state of t	Lab Sample ID:	2060617130	1	eldenfragsynaath mag agleithing felligheide was to be year diway o'r y o y ben ne.
Sample wt/vol: Units: Lab File ID: 2060621/V3561					
Level: (low/med)	danigi biya Tota an Tokaya ay Malay ay T	Date Collected:	06/15/06	Time:	1450
% Moisture: not dec.	er og krammer om er eller og besker her de	Date Received:	06/17/06	and the second s	anner on the section of the section
GC Column: DB-624-30M ID: .53	(mm)	Date Analyzed:	06/21/06	Time:	1135
Instrument ID: MSV0	wood of a case of the contract of the contractions of the contraction of the contractions of the contraction of the contractions of the contraction of the cont	Dilution Factor:	1	Analyst:	JCK
Soil Extract Volume:	( µL )				
Soil Aliquot Volume:	(µL)				
Number TICs Found: 0					
CONCENTRATION UNITS: ug/L					
CAS NO. COMPOUND		RT	EST.	CONC.	Q
1. No tics detected					

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SAMPLE NO.

SK-SW51-1018

Lab Name: GCAL Contract:  Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091713  Metrix (solikwater) Water  Ample w/wci: 25 (g/ml) mL Lab Sample ID: 20606171305  Level: (low/met) Lab File ID: 20606217/3562  Sevel: (low/met) Lab File ID: 20606217/3562  Soli Estract Volume: DB-824-30M ID: 53 (mm) Date Received: 06/16/06 Time: 0810  Soli Estract Volume: (μL) Ditution Factor: 1 Analyst: JCK  Analytical Method: OLCO 2.1  CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1  CAS NO. COMPOUND RESULT Q MDL RL  71-59-6 1,1,1-1*Trichrorethane  73-34-4 1,1,2-2*Teribrorethane  1.0 U 0.010 1.0  73-34-3 1,1-Dichrorethane  1.0 U 0.010 1.0  73-33-4 1,2-Dichrorethane  1.0 U 0.010 1.0  10-03-3-1 1,2-Dichrorethane  1.0 U 0.010 1.0  78-87-5 1,2-Dichrorethane  1.0 U 0.010	Lab Name: GC	AL Contract:			L		
Metrix: (soil/water)   Water   Sample wWol: 25 (g/ml) mL						81713	
Sample wWol:   25   (g/ml) mL					and the party	gant province in the contract contract of the	
Lab File ID: 2060621/V3562   Mainstruction   Lab File ID: 2060621/V3562   Mainstruction   Column: DB-624-30M   ID: .53   (mm)   Date Received: .08/17/06   Time: .0810   MSV0   Date Analyzed: .06/17/06   Time: .1158   MSV0   MSV0   Date Analyzed: .06/17/06   Time: .1158   MSV0   MSV				206061713	05		
Moisture: not dec.   Date Collected:   06/16/06   Time:   0810							
Date Received: O6/17/06   Date Received: O6/17/06   Date Received: O6/17/06   Date Received: O6/17/06   Time: 1158   Date Received: O6/17/06   Date Received: O6/17/06   Time: 1158   Date Received: O6/17/06   Date Received:	, ,	and the second s					
Date Analyzed: 06/21/06   Time: 1158	% Moisture: not d	ec.					
Date Analyzed: 06/21/06   Time: 1158	GC Column: DE	3-624-30M ID: .53 (mm)	Date Received:	06/17/06	المعادلة الم	ugi gaga mara aya — anda Mandalah sa mani akaya ayaa andasiin is da ka sa badda	
Dilution Factor: 1   Analyst: JCK	Instrument ID:	MSV0					
Prep Batch: Analytical Batch: 326150							
CONCENTRATION UNITS: ug/L   Analytical Method: OLCO 2.1	Soil Aliquot Volum						
### CAS NO. COMPOUND  ### RESULT Q MDL RL    71-55-6	con / mquot voidi.	(ре)				Datoit. OZO100	
T1-55-6	CONCENTRAT	TION UNITS: ug/L	Analytical Metho	d: OLCO 2.	.1		
79-34-5	CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
79-34-5	13. 22.2			<del></del>			
79-00-5 1,1,2-Trichloroethane 1.0 U 0.010 1.0 75-34-3 1,1-Dichloroethane 1.0 U 0.010 1.0 75-34-3 1,1-Dichloroethane 1.0 U 0.010 1.0 75-35-4 1,1-Dichloroethane 1.0 U 0.010 1.0 120-82-1 1,2,4-Trichlorobenzene 1.0 U 0.010 1.0 160-93-4 1,2-Dichloroethane 1.0 U 0.010 1.0 95-50-1 1,2-Dichloroethane 1.0 U 0.010 1.0 95-50-1 1,2-Dichloroethane 1.0 U 0.010 1.0 107-06-2 1,2-Dichloroethane 1.0 U 0.010 1.0 107-06-3 1,2-Dichloroethane 1.0 U 0.010 1.0 540-59-0 1,2-Dichloroethane 1.0 U 0.010 1.0 540-59-0 1,2-Dichloroethane 1.0 U 0.010 1.0 106-46-7 1,4-Dichlorobenzene 1.0 U 0.010 1.0 108-46-7 1,4-Dichlorobenzene 1.0 U 0.010 1.0 108-46-7 1,4-Dichlorobenzene 1.0 U 0.010 1.0 108-46-7 1,4-Dichlorobenzene 1.0 U 0.010 5.0 168-10-1 4-Methyt-2-pentanone 5.0 U 0.010 5.0 168-10-1 4-Methyt-2-pentanone 5.0 U 0.010 5.0 168-10-1 Acetone 5.0 U 0.010 5.0 17-43-2 Benzene 1.0 U 0.010 1.0 75-25-2 Bromoform 1.0 U 0.010 1.0 75-25-2 Bromoform 1.0 U 0.010 1.0 75-25-2 Bromoform 1.0 U 0.010 1.0 75-25-3 Garbon tetrachloride 1.0 U 0.010 1.0 75-0-3 Chloroethane 1.0 U 0.010 1.0 74-87-3 Chloromethane 1.0 U 0.010 1.0 10061-01-5 cis-1,3-Dichloropropene 1.0 U 0.010 1.0					<del> </del>		4
75-34-3					<del></del>		4
75-35-4			<del></del>				-1
120-82-1			<del>~~</del>		<del></del>		_
106-93-4							_ , , ,
95-50-1 1,2-Dichlorobenzene 1.0 U 0.010 1.0 107-06-2 1,2-Dichloroethane 1.0 U 0.010 1.0 540-59-0 1,2-Dichloroethene 1.0 U 0.010 1.0 78-87-5 1,2-Dichloropropane 1.0 U 0.010 1.0 541-73-1 1,3-Dichlorobenzene 1.0 U 0.010 1.0 541-73-1 1,4-Dichlorobenzene 1.0 U 0.010 1.0 78-93-3 2-Butanone 5.0 U 0.010 5.0 591-78-6 2-Hexanone 5.0 U 0.010 5.0 591-78-6 2-Hexanone 5.0 U 0.010 5.0 67-64-1 Acetone 5.0 U 0.010 5.0 67-64-1 Acetone 5.0 U 0.010 5.0 71-43-2 Benzene 1.0 U 0.010 5.0 75-25-2 Bromoform 1.0 U 0.010 1.0 75-25-2 Bromoform 1.0 U 0.010 1.0 75-15-0 Carbon disulfide 0.47 J 0.010 1.0 75-15-0 Carbon tetrachloride 1.0 U 0.010 1.0 75-03-3 Chlorobenzene 1.0 U 0.010 1.0 75-03-3 Chloroform 1.0 U 0.010 1.0 75-63-3 Chloroform 1.0 U 0.010 1.0 75-63-3 Chloroform 1.0 U 0.010 1.0 75-64-3 Chloromethane 1.0 U 0.010 1.0 75-63-3 Chloroform 1.0 U 0.010 1.0 75-64-3 Chloromethane 1.0 U 0.010 1.0 75-63-3 Chloromethane 1.0 U 0.010 1.0 75-64-3 Chloromethane 1.0 U 0.010 1.0 75-65-3 Chloromethane 1.0 U 0.010 1.0 75-65-3 Chloromethane 1.0 U 0.010 1.0 75-65-5 Cis-1,3-Dichloropropene 1.0 U 0.010 1.0	<u> </u>					<del></del>	_  u ·
107-06-2         1,2-Dichloroethane         1.0         U         0.010         1.0           540-59-0         1,2-Dichloroethene         1.0         U         0.010         1.0           78-87-5         1,2-Dichloropropane         1.0         U         0.010         1.0           541-73-1         1,3-Dichlorobenzene         1.0         U         0.010         1.0           106-66-7         1,4-Dichlorobenzene         1.0         U         0.010         1.0           78-93-3         2-Butanone         5.0         U         0.010         5.0           591-78-6         2-Hexanone         5.0         U         0.010         5.0           591-78-6         2-Hexanone         5.0         U         0.010         5.0           108-10-1         4-Methyt-2-pentanone         5.0         U         0.010         5.0           67-64-1         Acetone         5.0         U         0.010         5.0           71-43-2         Benzene         1.0         U         0.010         1.0           75-25-2         Bromoform         1.0         U         0.010         1.0           75-25-2         Bromoform         1.0         U         0.010<		1,2-Dibromoethane	1.0		0.010	1.0	_
540-59-0         1,2-Dichloroethene         1.0         U         0.010         1.0           78-87-5         1,2-Dichloropropane         1.0         U         0.010         1.0           541-73-1         1,3-Dichlorobenzene         1.0         U         0.010         1.0           106-48-7         1,4-Dichlorobenzene         1.0         U         0.010         1.0           78-93-3         2-Butanone         5.0         U         0.010         5.0           591-78-6         2-Hexanone         5.0         U         0.010         5.0           108-10-1         4-Methyl-2-pentanone         5.0         U         0.010         5.0           67-64-1         Acetone         5.0         U         0.010         5.0           67-64-1         Acetone         5.0         U         0.010         5.0           71-43-2         Benzene         1.0         U         0.010         1.0           75-27-4         Bromoform         1.0         U         0.010         1.0           75-25-2         Bromoform         1.0         U         0.010         1.0           75-15-0         Carbon disulfide         0.47         J         0.010	95-50-1	1,2-Dichlorobenzene	1.0		0.010	1.0	_
78-87-5         1,2-Dichloropropane         1.0         U         0.010         1.0           541-73-1         1,3-Dichlorobenzene         1.0         U         0.010         1.0           106-46-7         1,4-Dichlorobenzene         1.0         U         0.010         1.0           78-93-3         2-Butanone         5.0         U         0.010         5.0           591-78-6         2-Hexanone         5.0         U         0.010         5.0           108-10-1         4-Methyl-2-pentanone         5.0         U         0.010         5.0           67-64-1         Acetone         5.0         U         0.010         5.0           71-43-2         Benzere         1.0         U         0.010         1.0           75-27-4         Bromodichloromethane         1.0         U         0.010         1.0           75-25-2         Bromoform         1.0         U         0.010         1.0           74-83-9         Bromomethane         1.0         U         0.010         1.0           75-15-0         Carbon disulfide         0.47         J         0.010         1.0           56-23-5         Carbon tetrachloride         1.0         U	107-06-2	1,2-Dichloroethane	1.0		0.010	1.0	_
541-73-1         1,3-Dichlorobenzene         1.0         U         0.010         1.0           106-46-7         1,4-Dichlorobenzene         1.0         U         0.010         1.0           78-93-3         2-Butanone         5.0         U         0.010         5.0           591-78-6         2-Hexanone         5.0         U         0.010         5.0           108-10-1         4-Methyl-2-pentanone         5.0         U         0.010         5.0           67-64-1         Acetone         5.0         U         0.010         5.0           71-43-2         Benzene         1.0         U         0.010         1.0           75-27-4         Bromodichloromethane         1.0         U         0.010         1.0           75-25-2         Bromoform         1.0         U         0.010         1.0           74-83-9         Bromomethane         1.0         U         0.010         1.0           75-15-0         Carbon disulfide         0.47         J         0.010         1.0           75-15-0         Carbon tetrachloride         1.0         U         0.010         1.0           108-90-7         Chlorobenzene         1.0         U	540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
106-46-7         1,4-Dichlorobenzene         1.0         U         0.010         1.0           78-93-3         2-Butanone         5.0         U         0.010         5.0           591-78-6         2-Hexanone         5.0         U         0.010         5.0           108-10-1         4-Methyl-2-pentanone         5.0         U         0.010         5.0           67-64-1         Acetone         5.0         U         0.010         5.0           71-43-2         Benzene         1.0         U         0.010         1.0           75-27-4         Bromodichloromethane         1.0         U         0.010         1.0           75-25-2         Bromoform         1.0         U         0.010         1.0           74-83-9         Bromomethane         1.0         U         0.010         1.0           75-15-0         Carbon disulfide         0.47         J         0.010         1.0           56-23-5         Carbon tetrachloride         1.0         U         0.010         1.0           108-90-7         Chlorobenzene         1.0         U         0.010         1.0           75-00-3         Chloroethane         1.0         U         0.010 <td>78-87-5</td> <td>1,2-Dichloropropane</td> <td>1.0</td> <td>U</td> <td>0.010</td> <td>1.0</td> <td></td>	78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
78-93-3         2-Butanone         5.0         U         0.010         5.0           591-78-6         2-Hexanone         5.0         U         0.010         5.0           108-10-1         4-Methyl-2-pentanone         5.0         U         0.010         5.0           67-64-1         Acetone         5.0         U         0.010         5.0           71-43-2         Benzene         1.0         U         0.010         1.0           75-27-4         Bromodichloromethane         1.0         U         0.010         1.0           75-25-2         Bromoform         1.0         U         0.010         1.0           74-83-9         Bromomethane         1.0         U         0.010         1.0           75-15-0         Carbon disulfide         0.47         J         0.010         1.0           56-23-5         Carbon tetrachloride         1.0         U         0.010         1.0           108-90-7         Chlorobenzene         1.0         U         0.010         1.0           75-00-3         Chloroethane         1.0         U         0.010         1.0           74-87-3         Chloromethane         1.0         U         0.010	541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	]
591-78-6         2-Hexanone         5.0         U         0.010         5.0           108-10-1         4-Methyl-2-pentanone         5.0         U         0.010         5.0           67-64-1         Acetone         5.0         U         0.010         5.0           71-43-2         Benzene         1.0         U         0.010         1.0           75-27-4         Bromodichloromethane         1.0         U         0.010         1.0           75-25-2         Bromoform         1.0         U         0.010         1.0           74-83-9         Bromoethane         1.0         U         0.010         1.0           75-15-0         Carbon disulfide         0.47         J         0.010         1.0           56-23-5         Carbon tetrachloride         1.0         U         0.010         1.0           108-90-7         Chlorobenzene         1.0         U         0.010         1.0           75-00-3         Chloroferm         1.0         U         0.010         1.0           74-87-3         Chloroform         1.0         U         0.010         1.0           124-48-1         Dibromochloromethane         1.0         U         0.010	106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	7
108-10-1         4-Methyl-2-pentanone         5.0         U         0.010         5.0           67-64-1         Acetone         5.0         U         0.010         5.0           71-43-2         Benzene         1.0         U         0.010         1.0           75-27-4         Bromodichloromethane         1.0         U         0.010         1.0           75-25-2         Bromoform         1.0         U         0.010         1.0           74-83-9         Bromomethane         1.0         U         0.010         1.0           75-15-0         Carbon disulfide         0.47         J         0.010         1.0           56-23-5         Carbon tetrachloride         1.0         U         0.010         1.0           108-90-7         Chlorobenzene         1.0         U         0.010         1.0           75-00-3         Chloroform         1.0         U         0.010         1.0           74-87-3         Chloroform         1.0         U         0.010         1.0           74-87-3         Chloromethane         1.0         U         0.010         1.0           10361-01-5         cis-1,3-Dichloropropene         1.0         U         0.	78-93-3	2-Butanone	5.0	Ü	0.010	5.0	7
67-64-1         Acetone         5.0         U         0.010         5.0         R           71-43-2         Benzene         1.0         U         0.010         1.0	591-78-6	2-Hexanone	5.0	Ü	0.010	5.0	7
71-43-2         Benzene         1.0         U         0.010         1.0           75-27-4         Bromodichloromethane         1.0         U         0.010         1.0           75-25-2         Bromoform         1.0         U         0.010         1.0           74-83-9         Bromomethane         1.0         U         0.010         1.0           75-15-0         Carbon disulfide         0.47         J         0.010         1.0           56-23-5         Carbon tetrachloride         1.0         U         0.010         1.0           108-90-7         Chlorobenzene         1.0         U         0.010         1.0           75-00-3         Chloroethane         1.0         U         0.010         1.0           67-66-3         Chloroform         1.0         U         0.010         1.0           74-87-3         Chloromethane         1.0         U         0.010         1.0           124-48-1         Dibromochloromethane         1.0         U         0.010         1.0           10361-01-5         cis-1,3-Dichloropropene         1.0         U         0.010         1.0           10061-02-6         trans-1,3-Dichloropropene         1.0 <t< td=""><td>108-10-1</td><td>4-Methyl-2-pentanone</td><td>5.0</td><td>Ü</td><td>0.010</td><td>5.0</td><td>7</td></t<>	108-10-1	4-Methyl-2-pentanone	5.0	Ü	0.010	5.0	7
75-27-4         Bromodichloromethane         1.0         U         0.010         1.0           75-25-2         Bromoform         1.0         U         0.010         1.0           74-83-9         Bromomethane         1.0         U         0.010         1.0           75-15-0         Carbon disulfide         0.47         J         0.010         1.0           56-23-5         Carbon tetrachloride         1.0         U         0.010         1.0           108-90-7         Chlorobenzene         1.0         U         0.010         1.0           75-00-3         Chloroethane         1.0         U         0.010         1.0           67-66-3         Chloroform         1.0         U         0.010         1.0           74-87-3         Chloromethane         1.0         U         0.010         1.0           124-48-1         Dibromochloromethane         1.0         U         0.010         1.0           10361-01-5         cis-1,3-Dichloropropene         1.0         U         0.010         1.0           10061-02-6         trans-1,3-Dichloropropene         1.0         U         0.010         1.0	67-64-1	Acetone	5.0	Ü	0.010	5.0	TR
75-25-2         Bromoform         1.0         U         0.010         1.0           74-83-9         Bromomethane         1.0         U         0.010         1.0           75-15-0         Carbon disulfide         0.47         J         0.010         1.0           56-23-5         Carbon tetrachloride         1.0         U         0.010         1.0           108-90-7         Chlorobenzene         1.0         U         0.010         1.0           75-00-3         Chloroethane         1.0         U         0.010         1.0           67-66-3         Chloroform         1.0         U         0.010         1.0           74-87-3         Chloromethane         1.0         U         0.010         1.0           124-48-1         Dibromochloromethane         1.0         U         0.010         1.0           10361-01-5         cis-1,3-Dichloropropene         1.0         U         0.010         1.0           10061-02-6         trans-1,3-Dichloropropene         1.0         U         0.010         1.0	71-43-2	Benzene	1.0	U	0.010	1.0	]
74-83-9         Bromomethane         1.0         U         0.010         1.0           75-15-0         Carbon disulfide         0.47         J         0.010         1.0           56-23-5         Carbon tetrachloride         1.0         U         0.010         1.0           108-90-7         Chlorobenzene         1.0         U         0.010         1.0           75-00-3         Chloroethane         1.0         U         0.010         1.0           67-66-3         Chloroform         1.0         U         0.010         1.0           74-87-3         Chloromethane         1.0         U         0.010         1.0           124-48-1         Dibromochloromethane         1.0         U         0.010         1.0           10361-01-5         cis-1,3-Dichloropropene         1.0         U         0.010         1.0           10061-02-6         trans-1,3-Dichloropropene         1.0         U         0.010         1.0	75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	3
75-15-0         Carbon disulfide         0.47         J         0.010         1.0           56-23-5         Carbon tetrachloride         1.0         U         0.010         1.0           108-90-7         Chlorobenzene         1.0         U         0.010         1.0           75-00-3         Chloroethane         1.0         U         0.010         1.0           67-66-3         Chloroform         1.0         U         0.010         1.0           74-87-3         Chloromethane         1.0         U         0.010         1.0           124-48-1         Dibromochloromethane         1.0         U         0.010         1.0           10361-01-5         cis-1,3-Dichloropropene         1.0         U         0.010         1.0           10061-02-6         trans-1,3-Dichloropropene         1.0         U         0.010         1.0	75-25-2	Bromoform	1.0	U	0.010	1.0	
56-23-5         Carbon tetrachloride         1.0         U         0.010         1.0           108-90-7         Chlorobenzene         1.0         U         0.010         1.0           75-00-3         Chloroethane         1.0         U         0.010         1.0           67-66-3         Chloroform         1.0         U         0.010         1.0           74-87-3         Chloromethane         1.0         U         0.010         1.0           124-43-1         Dibromochloromethane         1.0         U         0.010         1.0           10361-01-5         cis-1,3-Dichloropropene         1.0         U         0.010         1.0           10361-02-6         trans-1,3-Dichloropropene         1.0         U         0.010         1.0	74-83-9	Bromomethane	1.0	U	0.010	1.0	3
108-90-7         Chlorobenzene         1.0         U         0.010         1.0           75-00-3         Chloroethane         1.0         U         0.010         1.0           67-66-3         Chloroform         1.0         U         0.010         1.0           74-87-3         Chloromethane         1.0         U         0.010         1.0           124-48-1         Dibromochloromethane         1.0         U         0.010         1.0           10361-01-5         cis-1,3-Dichloropropene         1.0         U         0.010         1.0           10361-02-6         trans-1,3-Dichloropropene         1.0         U         0.010         1.0	75-15-0	Carbon disulfide	0.47	Ĵ	0.010	1.0	7
75-00-3         Chloroethane         1.0         U         0.010         1.0           67-66-3         Chloroform         1.0         U         0.010         1.0           74-87-3         Chloromethane         1.0         U         0.010         1.0           124-48-1         Dibromochloromethane         1.0         U         0.010         1.0           10061-01-5         cis-1,3-Dichloropropene         1.0         U         0.010         1.0           10061-02-6         trans-1,3-Dichloropropene         1.0         U         0.010         1.0	56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	7
67-66-3         Chloroform         1.0         U         0.010         1.0           74-87-3         Chloromethane         1.0         U         0.010         1.0           124-48-1         Dibromochloromethane         1.0         U         0.010         1.0           10361-01-5         cis-1,3-Dichloropropene         1.0         U         0.010         1.0           10361-02-6         trans-1,3-Dichloropropene         1.0         U         0.010         1.0	108-90-7	Chlorobenzene	1.0	U	0.010	1.0	7
74-87-3         Chloromethane         1.0         U         0.010         1.0           124-48-1         Dibromochloromethane         1.0         U         0.010         1.0           10361-01-5         cis-1,3-Dichloropropene         1.0         U         0.010         1.0           10361-02-6         trans-1,3-Dichloropropene         1.0         U         0.010         1.0	75-00-3	Chloroethane	1.0	U	0.010	1.0	
124-48-1         Dibromochloromethane         1.0         U         0.010         1.0           10361-01-5         cis-1,3-Dichloropropene         1.0         U         0.010         1.0           10361-02-6         trans-1,3-Dichloropropene         1.0         U         0.010         1.0	67-66-3	Chloroform	1.0	U	0.010	1.0	]
10061-01-5         cis-1,3-Dichloropropene         1.0         U         0.010         1.0           10061-02-6         trans-1,3-Dichloropropene         1.0         U         0.010         1.0	74-87-3	Chloromethane	1.0	U	0.010	1.0	]
10061-02-6 trans-1,3-Dichloropropene 1.0 U 0.010 1.0	124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
	10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	7
100-41-4 Ethylbenzene 1.0 U 0.010 1.0	10:061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	7
	10:0-41-4	Ethylbenzene	1.0	U	0.010	1.0	7

FORM I VOA

SAMPLE NO.

SK-SW51-1018

Lab Name: GC	CAL	ontract:	ethoretonologische (sp. 15, 1678 *** ). Free Marie (sp. 15, 1678 ***) species (sp. 15, 1678 ***)	· parata rata res resultante qua	remerators or	
	024 Case No.:					1713
Matrix: (soil/water	r) Water	.,,				
	25 (g/ml) mL		Lab Sample ID:	2060617130	5	
_evel: (low/med)	s . Has a wife a first of the contract of the		Lab File ID: 206	0621/\/3562	والمراجع المراجع المرا	
	lec.		Date Collected:	06/16/06	Time: 0	810
	3-624-30M ID: .53		Date Received:	06/17/06		officer of the constant play, because all March are shown
instrument ID:			Date Analyzed:		Time: 1	
Soil Extract Volum	ne:	( pL )		1		JCK
Soil Aliquot Volun		/t \	Dren Batch:		Analytical	Batch: 326150
CONCENTRAT	TION UNITS: ug/L		Analytical Method:			Q., and of Process Company
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
75-09-2	Methylene chloride		2.0	U	0.010	2.0
100-42-5	Styrene		1.0	U	0.010	1.0
127-18-4	Tetrachloroethene		1.0	U	0.010	1.0
108-88-3	Toluene		1.0	U	0.010	1.0
79-01-6	Trichloroethene		1.0	U	0.010	1.0
75-01-4	Vinyl chloride		1.0	U	0.010	1.0
1330-20-7	Xylene (total)		1.0	U	0.010	1.0

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## 1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.			
SK-SW51-1018		-	

Lab Name: GCAL	_Contract:				
Lab Code: LA024 Case No.:		SAS No.:	SDG	No.: 206	061713
Matrix: Water	NO MARKETTO CONTROL OF STATE O	Lab Sample ID:	20606171305		nakal kagunig Amerikan nagang pilikipini namungan Mili 184 184
Sample wt/vol: Units:		Lab File ID: 20	60621/V3562		ni. Palancian and Palancian an
Level: (low/med)		Date Collected:	06/16/06	Time: _(	0810
% Moisture: not dec.	there the approximate with the law	Date Received:	06/17/06		any graph and the second and the sec
GC Column: DB-624-30M ID: .53		Date Analyzed:	06/21/06	Time: _1	158
Instrument ID: MSV0		Dilution Factor:	1	Analyst:	JCK
Soil Extract Volume:	(µL)				
Soil Aliquot Volume:	(µL)				
Number TICs Found: 0					
CONCENTRATION UNITS: ug/L					
CAS NO. COMPOUND		RT	EST. CON	IC.	Q
1. No tics detected					

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SAMPLE NO.

SK-SW51DUPE-1018

Lab Name: GCA	AL Contract:		narrin gibagan a sunga saarih salih namus saar	(a		
	4 Case No.:				1713	*******
Matrix: (soil/water)	Water					
	5 (g/ml) mL		2060617130	6	erstennerste schaft rentertringen plant tribetersten.	
	and a second the architecture of the best tag time time approach to the company approximation of the agreement and					
					820	
			06/17/06			
	.624-30M ID: .53 (mm)				manners of the second of the second of	
nstrument ID: M	SV0				222	
Soii Extract Volume	e: ( µL )	Dilution Factor:	1	Analyst:	JCK	
Soi Aliquot Volume	e: (µL)	Prep Batch:		Analytica	Batch: 326150	
CONCENTRATION	ON UNITS: ug/L	Analytical Method				• ••
CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	7
79-34-5	1,1,2,2-Tetrachloroethane	1.0	Ū	0.010	1.0	7
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	1
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	7
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	٦.
120-82-1	1,2,4-Trichlorobenzene	1.0	T U	0.010	1.0	่ ปนว
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	٦`
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	٦ .
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	7
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	7
73-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	7
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	7
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	7
73-93-3	2-Butanone	5.0	U	0.010	5.0	1
591-78-6	2-Hexanone	5.0	U	0.010	5.0	7
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	7
67-64-1	Acetone	5.0	U	0.010	5.0	7 R
71-43-2	Benzene	1.0	Ü	0.010	1.0	]
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	]
75-25-2	Bromoform	1.0	U	0.010	1.0	]
74-83-9	Bromomethane	1.0	U	0.010	1.0	]
7.5-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	]
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	7
75-00-3	Chloroethane	1.0	U	0.010	1.0	7
67-66-3	Chloroform	1.0	U	0.010	1.0	7
74-87-3	Chloromethane	1.0	U	0.010	1.0	7
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	7
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	1
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	]
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	7

FORM I VOA

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SAMPLE NO.

SK-SW51DUPE-1018

Lab Name: GCAL C	ontract:	erregenesse y or the first policy and advantage conjugates and	eran marana arri rayan manakadaminda	- sussuur - squir-derobus-	
Lab Code: LA024 Case No.:		SAS No.:		SDG No.: 20606	1713
Matrix: (soil/water) Water					
Sample wt/vol: 25 (g/ml) mL		Lab Sample ID:	2060617130	6	enganisari or young them or proposed military or communi
Level: (low/med)	Minter course in coopy of this distance of major	Lab File ID: 200	60621/V3563		
% Moisture: not dec.	· new magnings in money case	Date Collected:	06/16/06	Time: 0	820
GC Column: DB-624-30M ID: .53		Date Received:	06/17/06	n na bangan anawan nganarintan yanna hawananandagay ya	Bernamen
Instrument ID: MSV0		Date Analyzed:			222
Soil Extract Volume:	(μL)	Dilution Factor:	1		JCK
Soi: Aliquot Volume:		Prep Batch:			Batch: 326150
CONCENTRATION UNITS: ug/L		Analytical Method			
CAS NO. COMPOUND		RESULT	Q	MDL	RL
75-09-2 Methylene chloride		2.0	U	0.010	2.0
100-42-5 Styrene		1.0	U	0.010	1.0
127-18-4 Tetrachloroethene		1.0	U	0.010	1.0
108-88-3 Toluene		1.0	U	0.010	1.0
79-01-6 Trichloroethene		1.0	U	0.010	1.0
75-01-4 Vinyl chloride		1.0	U	0.010	1.0
1330-20-7 Xviene (total)		1.0		0.010	10

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# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO. SK-SW51DUPE-1018

Lab Name: GCAL	_Contract:	المراجعة	Proceedings of the entire section of the content of	
Lab Code: LA024 Case No.:		SAS No.:	SDG No.: 20	6061713
Matrix: Water	and the state of t	Lab Sample ID:	20606171306	and demonstration is the electric definition of
Sample wt/vol: Units:	Majaran angkatingan att angka 10 at da hate makan	Lab File ID: 20	60621/V3563	
Level: (low/med)	gas et ny Chillian Carringly no gardinangan jogan,	Date Collected:	06/16/06 Time:	0820
% Moisture: not dec.	i ngah shahe" dhigagilih sesperani — I sheggilihan qirilig	Date Received:	06/17/06	mooning ensulating a San John Spakethelesser (1, a Princ 1905 Sa
GC Column: DB-624-30M DD: .53	(mm)	Date Analyzed:	06/21/06 Time:	1222
Instrument ID: MSV0		Dilution Factor:	1 Analyst	: JCK
Soil Extract Volume:	(µL)			
Soil Aliquot Volume:	(µL)			
Number TICs Found: 0				•
CONCENTRATION UNITS: ug/L				
CAS NO. COMPOUND		RT	EST. CONC.	Q
1. No tics detected				

SAMPLE NO.

SK-SW52-1018

Lab Name: GC	CAL Contract:	gan specificans, with the Flore removes the two gap graphs are resident.	wanthow Will Mich San page was			
	024 Case No.:				1713	
	*) Water					
	25 (g/ml) mL	Lab Sample ID:	2060617130	)7	up - c t who taphy - a passion consister acceptance	
% Moisture: not d	1					
	The state of the s				835	
GC Column: DI	B-624-30M ID: .53 (mm)	Date Received:	06/17/06	- The graduate was the same of	THE RESERVE THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED ADDRESS OF THE PERSON NAMED AND A	
Instrument ID:	MSV0				552	
	me: (µL)	Dilution Factor:	1		JCK	
Soi Aliquot Volun		Prep Batch:			Batch: 326150	
30) Anduot vointi	ne: ( µL )	Ртер Баксп.		Allalytical	Dateri, 320130	v· • •
CONCENTRAT	TION UNITS: ug/L	Analytical Method	d: OLCO 2.1			
CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
F	10.222.7					_
71-55-6	1,1,1-Trichloroethane	1.0	l U	0.010	1.0	4
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	4
79-00-5 75-34-3	1,1,2-Trichloroethane	1.0	<del>  U</del>	0.010	1.0	-
}		1.0	U	0.010	1.0	4
75-35-4 120-82-1	1,1-Dichloroethene	1.0	1 0	0.010	1.0	-lus
	1,2,4-Trichlorobenzene	1.0		0.010	1.0	۱۳٬
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	-
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	-
137-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	_
73-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	4
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	_
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	4
78-93-3	2-Butanone	5.0	U	0.010	5.0	_
591-78-6	2-Hexanone	5.0	U	0.010	5.0	4
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	$\dashv$
67-64-1	Acetone	5.0	U	0.010	5.0	18
71-43-2	Benzene	1.0	U	0.010	1.0	4
75-27-4 75-25-2	Bromodichloromethane	1.0	1 0	0.010	1.0	-1
74-83-9	Bromoform Bromomethane	1.0	1 0	0.010	1.0	4
75-15-0	~		1 0	0.010	1.0	4
56-23-5	Carbon totachlarida	1.0	<del></del>	0.010	1.0	-
L	Carbon tetrachloride	1.0	U	0.010	1.0	4
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	-
75-00-3	Chloroethane	1.0	U	0.010	1.0	-
67-66-3	Chloroform	1.0	U	0.010	1.0	4
74-87-3	Chloromethane	1.0	U	0.010	1.0	-
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	4
10061-01-5 10061-02-6	cis-1,3-Dichloropropene	1.0	<del>                                     </del>	0.010	1.0	4
	trans-1,3-Dichloropropene		U U		1.0	-
100-41-4	Ethylbenzene	1.0	1 ' !	0.010	1.0	1

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FORM I VOA

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SK-SW52-1018

Lab Name: GCAL Co	ntract:	germania a de como de desembra de la como de desembra de como de desembra de la como de desembra de la como de	من رو مان و المان الم		
Lab Code: LA024 Case No.:				SDG No.: 20606	1713
Matrix: (soil/water) Water	COMMERCE FOR SIGNAL				
Sample wt/vol: 25 (g/ml) mL		Lab Sample ID:	206061713	07	
Level: (low/med)		Lab File ID: 200			
% Moisture: not dec.		Date Collected:	06/16/06	Time: 0	335
GC Column: DB-624-30M ID: .53		Date Received:	00/47/00	Balantinia i Audology addiniologica bapania historia addinia, in ani i filipinia, a	
Instrument ID: MSV0		Date Analyzed:		Time: 1	
Soi Extract Volume:		Dilution Factor:	1		JCK
Soil Aliquot Volume:		Prep Batch:			Batch: 326150
CONCENTRATION UNITS: ug/L		Analytical Method	: OLCO 2	-	
CAS NO. COMPOUND		RESULT	Q	MDL	RL
75-09-2 Methylene chloride		2.0	U	0.010	2.0
100-42-5 Styrene	······································	1.0	U	0.010	1.0
127-18-4 Tetrachloroethene		1.0	U	0.010	1.0
108-88-3 Toluene		1.0	U	0.010	1.0
79-01-6 Trichloroethene		1.0	U	0.010	1.0
75-01-4 Vinyl chloride		1.0	U	0.010	1.0
1330-20-7 Xviene (total)		1.0	11	0.010	10

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FORM I VOA

## 1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMP	LE NO.
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SK-SW52-1018

Lab Name: GCAL	_Contract:				
Lab Code: LA024 Case No.:	Applicates and the Control of the Co	SAS No.:	SC	G No.: 206	061713
Matrix: Water		Lab Sample ID:	20606171307		programs and the second
Sample wt/vol: Units:	composition is sometimes described and	Lab File ID: 200	60621/V3571		laurikarian kolikula (hila er allakki (h. 1846), ar rakea kirkilde hakteri er fil hakterile
Level: (low/med)	no Mariganina, consequent, regular or triplace primerator na	Date Collected:	06/16/06	Time:	0835
% Moisture: not dec.	model Michigan v. Joseph Michigan and March Age	Date Received:	06/17/06		nik politik kirin d. 1. A. f. szak kirili (szagotokaja apartosay karantos karantos karantos kirili sak et al s
GC Column: DB-624-30M ID: .53	(mm)	Date Analyzed:	06/21/06	Time:	1552
Instrument ID: MSV0		Dilution Factor:	1	Analyst:	JCK
Soil Extract Volume:	( µL )				
Soil Aliquot Volume:	(µL)				
Number TICs Found: 0 CONCENTRATION UNITS: ug/L					
CAS NO. COMPOUND		RT	EST. CO	ONC.	Q
1. No tics detected					

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SAMPLE NO.

SK-SWEB-1018

Lab Name: GC	CAL Contract:					
	24 Case No.:				1713	
	) Water					
	25 (g/ml) mL		206061713	08		
	same and upon the second secon		0621/V3572			
	ec.			Time: 0		
	B-624-30M ID: .53 (mm)	Date Received:				
	MSV0			Time: 10	632	
Soil Extract Volun				Analyst:		
Soil Aliquot Volum				Analytical		
CONCENTRAT	FION UNITS: ug/L	Analytical Method:			Time Company Continues	****
CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	٦
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	7
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	7
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	7
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	7 _
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	T us
106-93-4	1,2-Dibromoethane	1.0	Ü	0.010	1.0	7
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	7
107-06-2	1,2-Dichloroethane	1.0	Ū	0.010	1,0	7
540-59-0	1,2-Dichloroethene	1.0	Ū	0.010	1.0	7
78-87-5	1,2-Dichloropropane	1.0	Ü	0.010	1.0	7
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	7
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	7
78-93-3	2-Butanone	5.0	U	0.010	5.0	7
591-78-6	2-Hexanone	5.0	υ	0.010	5.0	7
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	7.
67-64-1	Acetone	2.9	J	0.010	5.0	] A J
71-43-2	Benzene	1.0	U	0.010	1.0	]
75-27-4	Bromodichloromethane	1.0	Ü	0.010	1.0	]
75-25-2	Bromoform	1.0	U	0.010	1.0	]
74-83-9	Bromomethane	1.0	U	0.010	1.0	]
75-15-0	Carbon disulfide	0.32	J	0.010	1.0	]
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	]
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	]
75-00-3	Chloroethane	1.0	U	0.010	1.0	]
67-66-3	Chloroform	1.0	U	0.010	1.0	]
74-87-3	Chloromethane	1.0	U	0.010	1.0	]
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	]
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	J
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	_}
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	_]

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FORM I VOA

9/1/26

SAMPLE NO.	
SK-SWEB-1018	

Lab Name: GCAI		Contract:	and special section in the section of the section o	e en principal de la compansión de la comp	W	
	Case No.:					1713
Matrix: (soil/water)	Water					
Sample wt/vol: 25	(g/ml) mL		Lab Sample ID:	2060617130	8	
Lavaly (lavy)assad)			Lab File ID: 20	000011/2570		
% Moisture; not dec		· · · · · · · · · · · · · · · · · · ·	Date Collected:	06/16/06	Time: 0	915
	24-30M ID: .53		Date Received:	06/17/06		g general commence of the comm
Instrument ID: MS	:V0	and the second second second second second	Date Analyzed:	06/21/06		632
Soil Extract Volume:				1		JCK
Soil Aliquot Volume:	The standard of the standard o		D D			Batch: 326150
CONCENTRATIO	N UNITS: ug/L		Analytical Method	d: OLCO 2.1	, politika dilasar - <mark>sijan yangar palanin l</mark> aka lasa paga.	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
75-09-2	Methylene chloride	<del></del>	2.0	U	0.010	2.0
100-42-5	Styrene	<del></del>	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene		1.0	U	0.010	1.0
108-88-3	Toluene		1.0	U	0.010	1.0
79-01-6	Trichloroethene		1.0	U	0.010	1.0
75-01-4	Vinyl chloride		1.0	U	0.010	1.0
1330-20-7	Xvlene (total)		1.0	1 0	0.010	1.0

#### 1E

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	
SK-SWEB-1018	

Lab Name: GCAL	Contract:	- Andrew games the state of the control of the cont	page the state of	
Lab Code: LA024 Case No.:		SAS No.:	S	DG No.: 206061713
Matrix: Water		Lab Sample ID:	20606171308	managanaganika rawang agang kiki karancaman pikani, mpingan magapi dipin kikombatap diki kikomba
Sample wt/vol: Units:		Lab File ID: 200	60621/V3572	englanggarang personali ang iku sagggarang penggarang panggarang penggarang penggarang penggarang penggarang p
Level: (low/med)	كوبي دوود (۱۹۹۰ - «المديرون الكادر والاتالة بـ (۱۹۹۰ - ۱۹۹۰ م	Date Collected:	06/16/06	Time: 0915
% Moisture: not dec.	and the same and t	Date Received:	06/17/06	ب خامل به مورسون و دانده فاما دا در با منسون معهون و معربتها در در در در در در در در در استخدام ردرمها معهد
GC Column: DB-624-30M ID: .53	(mm)	Date Analyzed:	06/21/06	Time: 1632
Instrument ID: MSV0	age or annual primage organic a copy and department of department of the copy of	Dilution Factor:	1	Analyst: JCK
Soil Extract Volume:	( µL )			
Soil Aliquot Volume:	(µL)			

Number TICs Found: 3

CONCENTRATION UNITS: ug/L

(	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	1823-52-5	2-Oxetanone, 4,4-dimethyl-	1.417	.274	
2.	53101-38-5	Unknown	1.775	.209	
3.	25419-06-1	Unknown	2.18	.228	

Timbres of

Lab Name: GC	AL	Sample ID:	SK-SW50-1	018	
Lab Code: LA0	24 Case No.:	Contract:		ing magne, seasons, in Printer or Sensor over an overseasons	
	SDG No.: 206061713				
Matrix: Water		Lab Sample ID	: 2060617	71301	
Sample wt/vol:	1000 Units: mL	Date Collected:	: 06/15/06	Time:	1450
Level: (low/med)		Date Received:			
% Moisture:	decanted: (Y/N)	Date Extracted	: 06/19/06	3	eg ger William de de de la composition
	3-5MS-30M ID: .25 (mm)	Date Analyzed:	06/21/06	Time	: 1514
* ***	ract Volume: 1000 ( µL )				st: JAR3
	1.0 (μL)	Prep Method:		VOA	The second of th
				CONTRACTOR OF THE PROPERTY OF	Managham yan ne - madaranakan kanan kalanda at 1 yan 14 ya 14 ya 1
GPC Cleanup: (1)	/N) N pH:				providence also so amplicamentary non-negligible in 9, 96, 97, 97
CONCENTRATIO	ON UNITS: ug/L	Instrument ID:	Application of appending and	annamentalisti ilinderinje in pape anglesi in ostatisti	gy gygyddiaine - dermae'n y rhannaf yn nago gyrnaegor y fy naholaithio daellan
00110211111111	5. · · · · · · · · · · · · · · · · · · ·	Prep Batch:	326007	Analytical Bat	rch: 326170
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	Ū	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	Ū	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	υ	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	Ū	0.010	10.0
99-09-2	3-Nitroaniline	25.0	Ū	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	Ų	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
10€-47 <b>-</b> 8	4-Chloroaniline	10.0	Ū	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	Ü	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	Ü	0.010	10.0
83-32-9	Acenaphthene	10.0	Ù	0.010	10.0
208-96-8	Acenaphthylene	10.0	Ū	0.010	10.0
120-12-7	Anthracene	10.0	Ū	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	Ü	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	Ü	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	Ū	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	Ū	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	Ü	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	Ü	0.010	10.0

FORM I SV-1

Lab Name: GC	AL	Sample ID:	SK-SW50-10	)18	and the second security and the second secon
Lab Code: LA0	24 Case No.:	Contract		na waa i na gara ya waki wananin nananin galama waka waka ka ka ya waka ka ya ka ka ya ka ka ya ka ka ya ka ka	
SAS No.:	SDG No.: 206061713	Lab File ID: 2			e vyglendere sa rédair
Matrix: Water	endfor a somewhater als the cuta southed somewhat the basis of the chance is before the chance of th	Lab Sample ID	: 2060617	1301	
	1000 Units: mL	Date Collected	06/15/06	Time:	1450
				- n - mm	
Level: (low/med)	LOW  See - 19 or 19 of 1904 (1904 from higher 1904 1906 from higher 1906 from hig	Date Received:	06/17/06		
% Moisture:	decanted: (Y/N)	Date Extracted	06/19/06	;  - 	راه این که در کارستان که دیگا کارستان میپیشترین به میشود در این در ا
GC Column: DE	3-5MS-30M ID: .25 (mm)	Date Analyzed:	06/21/06	Time:	1514
Concentrated Ext	ract Volume: 1000 ( µL )	Dilution Factor:	1	Analys	st: JAR3
Injection Volume:	1.0 ( µL )	Prep Method:	OLM4.2 S	VOA	مادينوا الزاداء داراتماليونو والسابيونوا والدورون
	/N) N pH:				and the state of t
	rights a majorary of the control of	Instrument ID:			
CONCENTRATIO	ON UNITS: ug/L				Sh: 326170
CACNO	COMPOUND				ch: 326170
	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0.0.835	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	υ	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	υ	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	υ	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
	4-Nitrophenol	25.0	U	0.010	25.0
	Pentachlorophenol	25.0	Ū	0.010	25.0
	Phenanthrene	10.0	Ü	0.010	10.0
	Phenol	10.0	U	0.010	10.0
·	Pyrene	10.0	<del>U</del>	0.010	10.0
	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

FORM | SV-1

8/31/06

The HIGHT

Lab Name: GCAL	Sample ID: SK-SW50-1018
Lab Code: LA024 Case No.:	Contract:
SAS No.: SDG No.: 206061713	Lab File ID: 2060621/B2063
Matrix: Water	Lab Sample ID: 20606171301
Sample wt/vol: 1000 Units: mL	Date Collected: 06/15/06 Time: 1450
Level: (low/med) LOW	Date Received: 06/17/06
% Moisture: decanted: (Y/N)	Date Extracted: 06/19/06
GC Column: DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1514
Concentrated Extract Volume: 1000 ( µL )	Dilution Factor: 1 Analyst: JAR3
Injection Volume: 1.0 ( µL )	Prep Method: OLM4.2 SVOA
GPC Cleanup: (Y/N) N pH:	Analytical Method: OLMO 4.2
	Instrument ID: MSSV3
CCNCENTRATION UNITS: ug/L	Prep Batch: 326007 Analytical Batch: 326170
CAS NO. COMPOUND	RESULT Q MDL RL
86-30-6 N-Nitrosodiphenylamine	10.0 U 0.010 10.0
95-48-7 o-Cresol	10.0 U 0.010 10.0

## 1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Sample ID: SK-SW50-1018

Lab Code LA024

Case No ·

Contract:

SAS No.:

SDG No: 206061713

Lab File ID: 2060621/B2063

Matrix: Water

Lab Sample ID: 20606171301

Sample wt/vol:

Units:

Date Collected: 06/15/06

Time: 1450

Level: (low/med)

Date Received: 06/17/06 Date Extracted:

61,9106

% Moisture: not dec

ID: .25

Date Analyzed: 06/21/06 (mm)

Time: 1514

GC Column: DB-5MS-30M Concentrated Extract Volume: 1000

( µL )

Dilution Factor: 1

Analyst: JAR3

Injection Volume:

<sup>1</sup>|| 1899d<sup>||</sup>

10

( µL )

Prep Method:

OLMANZ SUDA

GPC Cleanup: (Y/N) N

pH:

Analytical Method:

0 LM 0 4.2

Instrument ID: MSSV3

Number TICs Found: 7 CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	110-82-7	Cyclohexane	.335	11	
2.	994-05-8	Butane, 2-methoxy-2-methyl-	.347	19.4	
3	18495-30-2	Propane, 1,1,2,3-tetrachloro-	1.139	4.26	
4.	74367-33-2	Propanoic acid, 2-methyl-, 2,2	3.009	7.76	
5.	74381-40-1	Propanoic acid, 2-methyl-, 1-(	3.764	.578	
6.	57-10-3	Hexadecanoic acid	4.763	.566	
7.	4602-84-0	2,6,10-Dodecatrien-1-ol, 3,7,1	6.912	.602	

11,4183.

1 to 10 2 10'

Lab Name: GC	AL	Sample ID: S	K-SW51-10	)18	universions with the technique page and the st throughout the page of the technique
Lab Code: LA0		Contract:			graving, published: « Mo on payening to distince a squared for the
SAS No.:	SDG No.: 206061713			)67	
Matrix: Water	ургадзейстій і пійнічні кайтан майлан. Чейчіканай, як ейкайтар <b>ашы</b> рдаударда селокура ашылық <sub>бай дай</sub> ная	Lab Sample ID:	2060617	1305	
	1000 Units: mL	Date Collected:	06/16/06	Time:	0810
	LOW	Date Received:	06/17/06		de disease : a presentin i depi ma , a presentator general professiva de desti
	decanted: (Y/N)	Date Extracted:			skama meraningan kamanga, unitar
GC Column: DE	3-5MS-30M ID: .25 (mm)	Date Analyzed:			1616
	ract Volume: 1000 ( µL )	Dilution Factor:	1	Analy	st: JAR3
Injection Volume:	1.0 (µL)	Prep Method:	OLM4.2 S	VOA	The same of the sa
	/N) N pH:	Analytical Metho	od: OLM	0 4.2	and the same of th
, ,	the state of the s	Instrument ID:			Water and American Street Street
CONCENTRATIO	ON UNITS: ug/L	Prep Batch:	326007	Analytical Bat	
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
05.05.4	10 A.S. Triphlaneshares	1 40 5	·		40.0
95-95-4	2,4,5-Trichlorophenol	10.0	υ	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	υ	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	Ü	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	Ü	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	Ü	0.010	10.0
106-47-8	4-Chloroaniline	10.0	υ	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	V	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	υ	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-38-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

FORM I SV-1

Lab Name: G	CAL	Sample ID:	SK-SW51-1	018		
Lab Code: LA	024 Case No.:	Contract:				
	SDG No.: 206061713			067		
Matrix: Water		Lab Sample ID				
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1000 Units: mL	Date Collected	: 06/16/0	6 Time:	0810	
	LOW  Separation for the control of t					
	decanted: (Y/N)				A STORE OF MONE OF SAME AND SHOWER MANAGEMENT	
	DB-5MS-30M ID: .25 (mm)				: 1616	
	tract Volume: 1000 ( µL )	Dilution Factor	: 1	Analy	yst: JAR3	
Injection Volume	: 1.0 (µL)				the collists falls or thinking or modern by a sit depoletorable.	
	Y/N) N pH:				en ancomer en al mener e comerciame accessor con prescoto a contra e comercial.	
	The state of the s	Instrument ID:				
CCNCENTRAT	ION UNITS: ug/L	Prep Batch:	326007	Analytical Ba		
CAS NO.	COMPOUND	RESULT		MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.00.677	JB	0.010	10.0	u
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0	•
85-68-7	Butylbenzylphthalate	10.0	Ü	0.010	10.0	
86-74-8	Carbazole	10.0	U	0.010	10.0	
218-01-9	Chrysene	10.0	U	0.010	10.0	
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0	
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	
53-70-3	Dibenz(a,h)anthracene	10.0	<del>                                     </del>	0.010	10.0	
132-64-9	Dibenzofuran	10.0	U	0.010	10.0	
84-56-2	Diethylphthalate	10.0	U	0.010	10.0	
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0	
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0	
206-44-0	Fluoranthene	10.0	U	0.010	10.0	
86-73-7	Fluorene	10.0	U	0.010	10.0	
118-74-1	Hexachiorobenzene	10.0	Ü	0.010	10.0	
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0	
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0	
67-72-1	Hexachloroethane	10.0	U	0.010	10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0	
78-59-1	Isophorone	10.0	U	0.010	10.0	
91-20-3	Naphthalene	10.0	U	0.010	10.0	
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0	
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	
87-86-5	Pentachlorophenol	25.0	J	0.010	25.0	
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	
129-00-0	Pyrene	10.0	U	0.010	10.0	

151/31 115m

Lat Name: GCAL	Sample ID: SK-SW51-1018
Lab Code: LA024 Case No.:	Contract:
SAS No.: SDG No.: 206061713	Lab File ID: 2060621/B2067
Matrix: Water	Lab Sample ID: 20606171305
Sample wt/vol: 1000 Units: mL	Date Collected: 06/16/06 Time: 0810
Level: (low/med) LOW	Date Received: 06/17/06
% Moisture: decanted: (Y/N)	Date Extracted: 06/19/06
GC Column: DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1616
Concentrated Extract Volume: 1000 ( µL )	Dilution Factor: 1 Analyst: JAR3
Injection Volume: 1.0 ( µL )	Prep Method: OLM4.2 SVOA
GPC Cleanup: (Y/N) N pH:	Analytical Method: OLMO 4.2
	Instrument ID: MSSV3
CONCENTRATION UNITS: ug/L	Prep Batch: 326007 Analytical Batch: 326170
CAS NO. COMPOUND	RESULT Q MDL RL
86-30-6 N-Nitrosodiphenylamine	10.0 U 0.010 10.0
95-48-7 o-Cresol	10.0 U 0.010 10.0

## 1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL	Sample ID: SK-SW51-1018
Lab Code: LA024 Case No.:	Contract:
SAS No.: SDG No.: 206061713	Lab File ID: 2060621/B2067
Matrix: Water	Lab Sample ID: 20606171305
Sample wt/vol: Units:	Date Collected: 06/16/06 Time: 0810
Level: (low/med)	Date Received: 06/17/06
% Moisture: not dec.	Date Extracted: 6/19/06
GC Column: DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1616
Concentrated Extract Volume: 1000 (µL)	Dilution Factor: 1 Analyst: JAR3
Injection Volume: 1.0 ( µL )	Drop Mothadi Malay A. A. C. u. a. a.
GPC Cleanup: (Y/N) N pH:	Analytical Method: SW-846-8270C OLMO4.2
	Instrument ID: MSSV3
Number T/Cs Found: 1	
CONCENTRATION UNITS:ug/L	
CAS NO. COMPOUND	RT EST. CONC. Q
1 110-82-7 Cyclohexane	.333 9.3

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Data File: /var/chem/MSSV3.i/2060621.s.b/b2067.d

Report Date: 16-Aug-2006 08:41

### GCAL, Inc.

#### BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2060621.s.b/b2067.d Lab Smp Id: 20606171305 Client Sr

Client Smp ID: SK-SW51-1018

Inst ID: MSSV3.i

Comment

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Manager P

Comment:
Method: /var/chem/MSSV3.i/2060621.s.b/CLP4.2\_02.m.m
Meth Date: 26-Jun-2006 09:30 rfs Quant Type: ISTD
Cal Date: 21-JUN-2006 12:18 Cal File: b2055.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:

Compound Sublist: all.sub

Target Version: 3.50

Processing Host: org.gcal.com

Concentration Formula: Amt \* DF \* Uf \* Vt/(Vo \* Vi) \* CpndVariable

	Name	Value	Description
	DF	1.00000	Dilution Factor
	Uf	1.00000	ng unit correction factor
i briggs	Vt	1000.00000	Volume of final extract (uL)
	Vo	1000.00000	Volume of sample extracted (mL)
	Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

					CONCENTRA	ATIONS
	QUANT SIG				ON-COLUMN	FINAL
Compounds	RSAM	RT	EXP RT REL RT	RESPONSE	(mqq )	( ug/L)
	====	==		=======	*****	======
\$ 2-Fluorophenol	112	0.730	0.727 (0.462)	230782	81.9764	41.0
s 3 Phenol d5	99	1 343	1.337 (0.851)	1188014	89 7791	44.9
: 6 2 Chlorophenol da	152	1.420	1.417 (0.899)	475623	84 4658	42.2(A)
* 8 1 4-Dichlorobenzene-d4	115	1.578	1.578 (1.000)	140645	40.0000	
\$ 9 1/2-Dichlorobenzene-d4	152	1.683	1.683 (1.067)	172463	50.9002	25.4(A)
9 16 Nitrobenzene dS	82	1.959	1.956 (0.815)	876405	57.2966	28.6
* 23 Naphthalere d8	136	2 404	2.404 (1 000)	637834	40.0000	
\$ 33 2-Fluorobiphenyl	172	3.080	3.077 (0.886)	594755	49.9730	25.0
* 41 Acenaphthene d10	164	474 . د	3.474 (1.000)	356008	40.0000	
\$ 53 2,4,6-Tribromophenol	332	3.954	3.957 (1.138)	101640	85.6877	42.8
• 58 Flenanchrene dl5	138	4.371	4.374 (1.000)	487547	40.0000	
\$ 65 Terphenyl dl4	244	5.373	5.373 (0.881)	440823	58.1400	29.1
* 69 Chrysene-dl2	240	6.100	6.103 (1.000)	332143	40 0000	

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Lab Name: GG	CAL	Sample ID: SK-SW51DUPE-1018			
Lab Code: LA	024 Case No.:	Contract:	March no. 11 decreus and a Nadaman III a de		ulture arrown standag allegological allegologica, allego
SAS No.:	SDG No.: 206061713	Lab File ID: 2	060621/B20	)68	Anne Anne B
Matrix: Water		Lab Sample ID:	2060617	1306	
Sample wt/vol:	1000 Units: mL	Date Collected:	06/16/06	Time:	0820
Level: (low/med)		Date Received:	06/17/06		
% Moisture:	decanted: (Y/N)	Date Extracted:	06/19/06		r core come make how about construct to
GC Column: D	B-5MS-30M ID: .25 (mm)	Date Analyzed:	06/21/06		1631
	tract Volume: 1000 ( µL )	Dilution Factor:	1	Analy	st: JAR3
	: 1.0 (µL)	Prep Method:	OLM4.2 S	VOA	a Linnapaignaing — the April Sprin Sprin Street St. St. Str.
	(/N) N pH:	Analytical Metho	od: OLM	0 4.2	rygyffin, glansfer o'r y dysgaffin a ngannfay finganflaunt, ach i saffin i sar shlafinh.
. ,	and the distribution of the extension of the state of the	Instrument ID:	MSSV3		
CONCENTRATI	ON UNITS: ug/L			Analytical Bat	
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	<del>U</del>	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	<del>- </del>	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	Ü	0.010	10.0
606-20-2	2.6-Dinitrotoluene	10.0	Ü	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	<del>- U</del>	0.010	10.0
95-57-8	2-Chlorophenol	10.0	Ü	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	Ū	0.010	10.0
88-74-4	2-Nitroaniline	25.0	<u>_</u>	0.010	25.0
88-75-5	2-Nitrophenol	10.0	<del></del>	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	<del></del>	0.010	10.0
99-09-2	3-Nitroaniline	25.0	<del></del>	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	<del></del>	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	<del></del> Ū	0.010	10.0
106-47-8	4-Chloroaniline	10.0	Ū	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	Ü	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	Ū	0.010	10.0
120-12-7	Anthracene	10.0	Ū	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
91-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

Lab Name: GCAL Sample ID: SK-SW51DUPE-1018						
Lab Code: LA0	24 Case No.:	Contract:	a mili Managona pri 1900 mr. a. 1 menagona		and and residence to the state of the state	
SAS No.:	SDG No.: 206061713	Lab File ID: 2	060621/B20	068	n kajarikin milikin ata,	
Matrix: Water		Lab Sample ID	2060617	1306		
Sample wt/vol:	1000 Units: mL	Date Collected:			0820	
	LOW	Date Received:				
	decanted: (Y/N)	Date Extracted:	06/19/06			
	3-5MS-30M ID: .25 (mm)	Date Analyzed:	06/21/06		1631	
	ract Volume: 1000 (µL)	Dilution Factor:	1	Analys	st: JAR3	
	1.0 (µL)	Prep Method:	OLM4.2 S	VOA	and are account to the fine that the another of the first	
	/N) N pH:	Analytical Meth		0 4.2		
	The state of the s	Instrument ID:	MSSV3		/a was demonstra is a discovery of a second of a secon	
CONCENTRATIO	DN UNITS: ug/L	Prep Batch:				
CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.00.606	JB	0.010	10.0	U
101-55-3	4-Bromophenyl-phenylether	10.0	Ü	0.010	10.0	
85-68-7	Butylbenzylphthalate	10.0	<del></del>	0.010	10.0	
86-74-8	Carbazole	10.0	<del>-</del>	0.010	10.0	
218-01-9	Chrysene	10.0	Ü	0.010	10.0	
84-74-2	Di-n-butylphthalate	10.0	<del>-</del>	0.010	10.0	
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	
53-70-3	Dibenz(a,h)anthracene	10.0	Ü	0.010	10.0	
132-64-9	Dibenzofuran	10.0	U	0.010	10.0	
	<del></del>	<del></del>		<del></del>	10.0	
84-66-2	Diethylphthalate	10.0	U	0.010		
131-11-3 105-67-9	Dimethyl-phthalate 2,4-Dimethylphenol	10.0	U	0.010	10.0	
		10.0		0.010	10.0	
206-44-0 86-73-7	Fluoranthene	10.0	U	0.010	10.0	
118-74-1	Fluorene Hexachlorobenzene	10.0	U	0.010 0.010	10.0	
87-68-3	Hexachlorobutadiene	10.0	U	<del></del>		
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0	
	Hexachloroethane		U	0.010		
67-72-1 193-39-5		10.0	U	0.010	10.0	
78-59-1	Indeno(1,2,3-cd)pyrene	10.0 10.0	U	0.010	10.0	
	Isophorone			0.010	10.0	
91-20-3	Naphthalene	10.0	U	0.010	10.0	
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0	
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	
129-00-0	Pyrene	10.0	U	0.010	10.0	
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0	

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FORM | SV-1

8/31/06

Lab Name: GCAL	Sample ID: SK-SW51DUPE-1018
Lab Code: LA024 Case No.:	Contract:
SAS No.: SDG No.: 206061713	Lab File ID: 2060621/B2068
Matrix: Water	Lab Sample ID: 20606171306
Sample wt/vol: 1000 Units: mL	Date Collected: 06/16/06 Time: 0820
Level: (low/med) LOW	Date Received: 06/17/06
% Moisture: decanted: (Y/N)	Date Extracted: 06/19/06
GC Column: DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1631
Concentrated Extract Volume: 1000 ( µL )	Dilution Factor: 1 Analyst: JAR3
Injection Volume: 1.0 ( $\mu L$ )	Prep Method: OLM4.2 SVOA
GPC Cleanup: (Y/N) N pH:	Analytical Method: OLMO 4.2
001/051/7547/01/1/1/79	Instrument ID: MSSV3
CONCENTRATION UNITS: ug/L	Prep Batch: 326007 Analytical Batch: 326170
CAS NO. COMPOUND	RESULT Q MDL RL
86-30-6 N-Nitrosodiphenylamine	10.0 U 0.010 10.0
95-48-7 o-Cresol	10.0 U 0.010 10.0

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### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Sample ID: SK-SW51DUPE-1018

Lab Code: LA024

Case No.:

Contract:

SAS No.:

1887

SDG No.: 206061713

Lab File ID: 2060621/B2068

Matrix: Water

Lab Sample ID: 20606171306

Sample wt/vol:

Units:

Date Collected: 06/16/06

Time: 0820

Level: (low/med)

Date Received: 06/17/06

% Moisture: not dec.

Date Extracted:

W/19/06 Date Analyzed: 06/21/06

Time: 1631

GC Columin DB 5MS-30M

D 25

(mm) ( µL )

Dilution Factor: 1

Analyst: JAR3

Injection Volume:

Concentrated Extract Volume: 1000 1.0

( µL )

Prep Method:

OLM 4.2 500 A

GPC Cleanup: (Y/N) N

pH:

Analytical Method:

SW-846-8270C

OLMOAIZ

Instrument ID: MSSV3

Number TICs Found: 10 CONCENTRATION UNITS:ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 110-82-7	Cyclohexane	.333	10.3	
2. 4276-09-9	1-Butanol, 2-amino-3-methyl-,	6.821	1.33	
3. 994-05-8	Butane, 2-methoxy-2-methyl-	.347	19.2	
4 558-37-2	1-Butene, 3,3-dimethyl-	.514	.612	
5. 115-18-4	3-Buten-2-oi, 2-methyl-	1.079	1.89	
6. 96-19-5	1-Propene, 1,2,3-trichloro-	1.136	4.41	
7. 74367-33-2	Propanoic acid, 2-methyl-, 2,2	3.012	9.71	
8 . 20524-86-1	Methane, oxybis[dichloro-	3.341	.62	<del></del>
9. 74381-40-1	Propanoic acid, 2-methyl-, 1-(	3.764	.995	
0. 57-11-4	Octadecanoic acid	5.248	1.47	

Lab Name: GO	CAL	Sample ID: SK-SW52-1018	
Lat Code: LAC	024 Case No.:	Contract:	
	SDG No.: 206061713	Lab File ID: 2060621/B2069	
Matrix: Water		Lab Sample ID: 20606171307	
	n , aggy y 2 , y diden an in although agraess (1900) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	contacts at the orange of the control of control of the control of	
	1000 Units: mL	Date Collected: 06/16/06 Time: 0835	
Level: (low/med)	LOW	Date Received: 06/17/06	
% Moisture:	decanted: (Y/N)	Date Extracted: 06/19/06	
	B-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1646	
	tract Volume: 1000 ( µL )	Dilution Factor: 1 Analyst: JAR3	
	1.0 ( µL )	Prep Method: OLM4.2 SVOA	
	//N) N pH:	Analytical Method: OLMO 4.2	
	The state of the s	Instrument ID: MCCV/3	
CONCENTRATI	ON UNITS: ug/L	ACCOUNTS AND THE PARTY OF THE P	
		Prep Batch: 326007 Analytical Batch: 326170	
CAS NO.	COMPOUND	RESULT Q MDL RL	
95-95-4	2,4,5-Trichlorophenol	10.0 U 0.010 10.0	
88-06-2	2,4,6-Trichlorophenol	10.0 U 0.010 10.0	
120-83-2	2,4-Dichlorophenol	10.0 U 0.010 10.0	
51-28-5	2,4-Dinitrophenol	25.0 U 0.010 25.0	
121-14-2	2,4-Dinitrotoluene	10.0 U 0.010 10.0	
606-20-2	2,6-Dinitrotoluene	10.0 U 0.010 10.0	
91-58-7	2-Chloronaphthalene	10.0 U 0.010 10.0	
95-57-8	2-Chlorophenoi	10.0 U 0.010 10.0	
91-57-6	2-Methylnaphthalene	10.0 U 0.010 10.0	
88-74-4	2-Nitroaniline	25.0 U 0.010 25.0	
88-75-5	2-Nitrophenol	10.0 U 0.010 10.0	
91-94-1	3,3'-Dichlorobenzidine	10.0 U 0.010 10.0	
99-09-2	3-Nitroaniline	25.0 U 0.010 25.0	
534-52-1	2-Methyl-4,6-dinitrophenoi	25.0 U 0.010 25.0	
59-50-7	4-Chloro-3-methylphenol	10.0 U 0.010 10.0	
106-47-8	4-Chloroaniline	10.0 U 0.010 10.0	
7005-72-3	4-Chlorophenyl-phenylether	10.0 U 0.010 10.0	
106-44-5	4-Methylphenol (p-Cresol)	10.0 U 0.010 10.0	_
83-32-9	Acenaphthene	10.0 U 0.010 10.0	
208-96-8	Acenaphthylene	10.0 U 0.010 10.0	
120-12-7	Anthracene	10.0 U 0.010 10.0	$\neg$
56-55-3	Benzo(a)anthracene	10.0 U 0.010 10.0	
50-32-8	Benzo(a)pyrene	10.0 U 0.010 10.0	
205-99-2	Benzo(b)fluoranthene	10.0 U 0.010 10.0	_
191-24-2	Benzo(g,h,i)perylene	10.0 U 0.010 10.0	$\neg$
207-08-9	Benzo(k)fluoranthene	10.0 U 0.010 10.0	$\neg$
111-91-1	Bis(2-Chloroethoxy)methane	10.0 U 0.010 10.0	$\neg$
111-44-4	Bis(2-Chloroethyl)ether	10.0 U 0.010 10.0	$\neg$
100 50 1	U: (6 O) I :	400 100 100 100	

FORM | SV-1

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Lab Name: GCAL Sample ID: SK-SW52-1018					
Lab Code: LAC	24 Case No.:			or representatives and qualificate departmentations are to Ale indicates present	
	SDG No.: 206061713			069	
Matrix: Water		Lab Sample ID	: 2060617	71307	
Sample wt/vol:	1000 Units: mL	Date Collected	: 06/16/06	Time:	0835
Level: (low/med)		Date Received: 06/17/06			
	LOW decanted: (Y/N)	Date Extracted	water to see the state of the see		aga dan dan dan dan dan dan dan dan dan da
		· · · · · · · · · · · · · · · · · · ·	** ****** ****************************	and a superior of the superior state of the superior state of	: 1646
	B-5MS-30M ID: .25 (mm)	Dilution Factor			
Concentrated Extract Volume. 1000 ( pt )					st: JAR3
Injection Volume:	1.0 ( µL )	Prep Method:		THE IS NOT THE RESERVE OF THE PARTY OF THE PARTY OF THE PARTY.	o a talk characterism. A finish call the appropriate settle in the cases, in
GPC Cleanup: (Y	/N) N pH:	Analytical Meth	od: OLM	O 4.2	and the state of t
		Instrument ID:	MSSV3		de accompany . Les recolates à la fritaine de la participé à tours es constituence d'
CONCENTRATION	ON UNITS: ug/L	Prep Batch:	326007	Analytical Bat	ich: 326170
CAS NO.	COMPOUND	RESULT		MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10,00642	.JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	Ū	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	<del>                                     </del>	0.010	10.0
206-44-0	Fluoranthene	10.0	<del></del>	0.010	10.0
86-73-7	Fluorene	10.0	υ	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72 <b>-</b> 1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-0:2-7	4-Nitrophenol	25.0	Ü	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

FORM | SV-1

8/31/26

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Lab Name:	GCAL	Sample ID: SK	(-SW52-101	8	
Lab Code: L	A024 Case No.:	Contract:			
SAS No.:	SDG No.: 206061713	Lab File ID: 20	60621/B206	9	··
Matrix: Wate	r	Lab Sample ID:	20606171	307	
Sample wt/vol:	1000 Units: mL	Date Collected:	06/16/06	Time:	0835
Level: (low/med	i) LOW	Date Received:	06/17/06		n valdering state of the second state and the second state of the
% Moisture:	decanted: (Y/N)	Date Extracted:	06/19/06		nagyamagaa, iyo yay ii A sada maayangaa ayar yas ke
GC Column:	DB-5MS-30M ID: .25 (mm)	Date Analyzed:	06/21/06	Time	: 1646
Concentrated E	xtract Volume: 1000 (μL)	Dilution Factor:	1	Analy	yst: JAR3
Injection Volum	e: 1.0 (µL)	Prep Method:	OLM4.2 SV	OA	and segment where the Apple services and where the second segments and the second segments and the second s
GPC Cleanup:	(Y/N) N pH:	Analytical Method	: OLMO	4.2	de la minorality on p. 180000 MV 1000V por sociality of the
		Instrument ID:	MSSV3	the Walford Street and the assemble of the Street Assemble and the street and the	and we have the state of the st
CONCENTRAT	TION UNITS: ug/L	Prep Batch: 32	6007	Analytical Ba	tch: 326170
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	υ	0.010	10.0

Giggs.

#### 1F

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name. GCAL

Sample ID: SK-SW52-1018

Lab Code: LA024

Case No.:

Contract:

SAS No.:

1-188

SDG No.: 206061713

Lab File ID: 2060621/B2069

Date Received: 06/17/06

Lab Sample ID: 20606171307

Units:

Date Collected: 06/16/06

Time: 0835

Sample wt/vol: Level: (low/med)

Matrix: Water

% Moisture: not dec.

Date Extracted:

6/19/06

GC Column: DB-5MS-30M

ID: .25

(mm)

Date Analyzed: 06/21/06

Time: 1646

Concentrated Extract Volume: 1000

( µL ) ( µL ) Dilution Factor: 1

OLM4.2 500A

Analyst: JAR3

GPC Cleanup: (Y/N) N

Injection Volume:

pH:

1.0

Prep Method:

Analytical Method: SW-846-8270C

011404.Z

Instrument ID: MSSV3

Number TICs Found: 10 CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	110-82-7	Cyclohexane	.332	10.5	
2	74381-40-1	Propanoic acid, 2-methyl- 1-(	3.764	1.73	******
3.	994-05-8	Butane, 2-methoxy-2-methyl-	.347	19.3	
4.	625-33-2	3-Penten-2-one	.514	.586	
5.	691-38-3	2-Pentene, 4-methyl-, (Z)-	.582	.676	
6.	115-18-4	3-Buten-2-ol, 2-methyl-	1.082	1.83	
7.	21400-25-9	1-Propene, 1,1,2-trichloro-	1.136	4.87	
8.	65-85-0	Benzoic Acid	2.257	.401	
9.	334-48-5	Decanoic acid	2.668	.446	
10.	109-21-7	Butanoic acid, butyl ester	3.128	.407	

Lab Name: GC	CAL	Sample ID: S	K-SWEB-10	018	· morphism is a sign of a sign of the configuration configuration of the sign of the configuration of the configur
Lab Code: LAC		Contract:		maraman andrews (4). It in first first common the consequence of the conse	
	SDG No.: 206061713	Lab File ID: 20			errors destroys as
Ma:rix: Water		Lab Sample ID:	2060617	1308	
Sample wt/vol:	1000 Units: mL	Date Collected:	06/16/06	Time:	0915
Level: (low/med)		Date Received:	06/17/06	ny distribution and designation and according to the contraction and the contraction a	The state of the s
% Moisture:	decanted: (Y/N)	Date Extracted:			WELLA IN THE WORLD AND ADDRESS OF A A
	B-5MS-30M ID: .25 (mm)	Date Analyzed:	Date Analyzed: 06/21/06 Time: 1701		
	ract Volume: 1000 ( µL )	Dilution Factor: 1 Analyst: JAR3			st: JAR3
Injection Volume:	1.0 ( µL )	Prep Method:	OLM4.2 S	√OA	agence waster to a first the companies are
	/N) N pH:	Analytical Metho	d: OLM	O 4.2	and the contract of the angle of the contract
• •	Control of the Contro	Instrument ID:			
CONCENTRATIO	ON UNITS: ug/L			Analytical Bat	ch: 326170
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
	<del></del>	400	·		
95-95-4	2,4,5-Trichlorophenol	10.0	<u> </u>	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-53-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	Ū	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	Ü	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	Ü	0.010	10.0

FORM I SV-1

Lab Name: Go	CAL	Sample ID: Sh	K-SWEB-10	018	la Managana (m. e. 1950). The companion of the companion
Lab Code: LA	024 Case No.:	Contract			
	SDG No.: 206061713	Lab File ID: 20			Do ser h Work
Matrix: Water		Lab Sample ID:	2060617	1308	
	1000 Units: mL	Date Collected:	06/16/06	Time:	0915
	LOW			******************************	
		Date Extracted:			encomment than a make a successful and a successful that a successful and a successful the successful and th
	decanted: (Y/N)			and the second second second second	1701
	B-5MS-30M ID: .25 (mm)				1701
Concentrated Ex	tract Volume: 1000 ( µL )	Dilution Factor:	1	Analys	st: JAR3
Injection Volume	: 1.0 ( µL )	Prep Method:	OLM4.2 S	VOA	
	//N) N pH:	Analytical Method	d: OLM	O 4.2	Problement for a physical community of the second s
		Instrument ID:	MSSV3		
CONCENTRATI	ON UNITS: ug/L			Analytical Bate	
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 1.86	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	Ū	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butyiphthalate	10.0	Ü	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-2:0-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85 <b>-</b> C1-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	Ü	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
601 64 7	N. Nitrogo di p. propudomino	10.0		0.010	10.0

FORM I SV-1

8/31/06

Lab Name: GCAL	***************************************	Sample ID: SK-SWEB-1018
Lab Code: LA024	Case No.:	Contract:
SAS No.:	SDG No.: 206061713	Lab File ID: 2060621/B2070
Matrix: Water	MY sambar distruktura piantusian sa sa sa sakhir maininin shu yanggaya, ahabir distrukturajan sa sakhirjalaja say, sayahtsia	Lab Sample ID: 20606171308
Sample wt/vol: 1000	Units: mL	Date Collected: 06/16/06 Time: 0915
Level: (low/med) LC	) <b>W</b>	Date Received: 06/17/06
% Moisture:	decanted: (Y/N)	Date Extracted: 06/19/06
GC Column: DB-5MS	S-30M ID: .25 (mn	Date Analyzed: 06/21/06 Time: 1701
Concentrated Extract V	/olume: 1000 (μL	Dilution Factor: 1 Analyst: JAR3
Injection Volume:	1.0 ( µL	Prep Method: OLM4.2 SVOA
GPC Cleanup: (Y/N)	N pH:	Analytical Method: OLMO 4.2
		Instrument ID: MSSV3
CONCENTRATION UI	VITS: ug/L	Prep Batch: 326007 Analytical Batch: 326170
CAS NO. COM	<b>IPOUND</b>	RESULT Q MDL RL
86-30-6 N-Ni	trosodiphenylamine	10.0 U 0.010 10.0
95-48-7 o-Cr	esol	10.0 U 0.010 10.0

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# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL	n.		Sample ID: SK-	SWEB-1018	· · · · · · · · ·
Lab Code: LA024	Case No.:		Contract:		
SAS No.:	SDG No.: 20606	51713	Lab File ID: 206	60621/B2070	
Matrix: Water			Lab Sample ID:	20606171308	
Sample wt/vol:	Units:		Date Collected:	06/16/06	Time: 0915
Level: (low/med)			Date Received:	06/17/06	
% Moisture: not dec			Date Extracted:	6/19/06	
GC Column: DB-5MS-30N	И ID: .25	(mm)	Date Analyzed:	06/21/06	Time: 1701
Concentrated Extract Volum	ne: 1000	( µL )	Dilution Factor:	1	Analyst: JAR3
Injection Volume:	1.0	( µL )	Prep Method:	0LH 412	SUOA
GPC Cleanup: (Y/N) N	pH:		Analytical Method	d: S <del>W-846-827</del> 06	OLMO 412
			Instrument ID: 1	MSSV3	

Number TiCs Found: 10
CONCENTRATION UNITS:ug/L

46.22.0

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	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	110-82-7	Cyclohexane	.333	10.9	
2.	112-95-8	Eicosane	7.621	3.89	
3.	994-05-8	Butane, 2-methoxy-2-methyl-	.344	21.2	
4.	115-18-4	3-Buten-2-ol, 2-methyl-	1.082	1.36	
5.	21400-25-9	1-Propene, 1,1,2-trichloro-	1.136	3.74	
6.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	3.06	.965	
7.	96-76-4	Phenol, 2,4-bis(1,1-dimethylet	3.511	1.15	
8.	136-60-7	Benzoic acid, butyl ester	3.699	.944	
9.	74381-40-1	Propanoic acid, 2-methyl-, 1-(	3.764	2.14	
10.	0-00-C	10-Methylnonadecane	7.125	3.18	

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## 1D ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL	Sample ID: SK-SW50-1018			
Lab Code: LA024 Case No.:	Contract:			
Matrix: Water	SAS No.: SDG No.: 206061713			
Sample wt/vol: 1000 Units: mL	Lab Sample ID: 20606171301			
Level: (low/med) LOW	Date Collected: 06/15/06 Time: 1450			
% Moisture: decanted: (Y/N)	Date Received: 06/17/06			
GC Column: ID: (mm)	Date Extracted: 06/19/06			
Concentrated Extract Volume: 1000 ( µL )	Date Analyzed: 06/21/06 Time: 1426			
Soil Aliquot Volume: ( µL )	Dilution Factor: 1 Analyst: DLB			
Injection Volume: 1 (µL)	Pren Method: OLM/ 2 DEST/DCR			
GPC Cleanup: (Y/N) N pH:	Analytical Method: OLMO 4.2			
	Approximate and control to the control of the contr			
Prep Batch: 326006 Analytical Batch: 326218	Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A			
CONCENTRATION UNITS: ug/L	Lab File ID: 2060621/SV18A020			
CAS NO. COMPOUND	RESULT Q MDL RL			
72-54-8 4,4'-DDD	0.100 U 0.000100 0.100			
72-55-9 4,4'-DDE	0.100 U 0.000100 0.100			
50-29-3 4,4'-DDT	0.100 U 0.000100 0.100			
309-00-2 Aldrin	0.050 U 0.000100 0.050			
12674-11-2 Aroclor-1016	1.00 U 0.000100 1.00			
11104-28-2 Aroclor-1221	2.00 U 0.000100 2.00			
11141-16-5 Aroclor-1232	1.00 U 0.000100 1.00			
53469-21-9 Aroclor-1242	1.00 U 0.000100 1.00			
126 <sup>7</sup> 2-29-6 Aroclor-1248	1.00 U 0.000100 1.00			
11097-69-1 Aroclor-1254	1.00 U 0.000100 1.00			
11096-82-5 Aroclor-1260	1.00 U 0.000100 1.00			
60-57-1 Dieldrin	0.100 U 0.000100 0.100			
959-98-8 Endosulfan I	0.050 U 0.000100 0.050			
33213-65-9 Endosulfan II	0.100 U 0.000100 0.100			
1031-07-8 Endosulfan sulfate	0.100 U 0.000100 0.100			
72-23-8 Endrin 7421-93-4 Endrin aldehvde	0.100 U 0.000100 0.100			
	0.100 U 0.000100 0.100			
53494-70-5   Endrin ketone     76-44-8     Heptachlor	0.100 U 0.000100 0.100			
1024-57-3 Heptachlor epoxide	0.050 U 0.000100 0.050 0.050 U 0.000100 0.050			
72-4:3-5 Methoxychlor	0.500 U 0.000100 0.500			
8001-35-2 Toxaphene	5.00 U 0.000100 5.00			
319-84-6   alpha-BHC	0.050 U 0.000100 0.050			
5103-71-9 alpha-Chlordane	0.050 U 0.000100 0.050			
319-85-7 beta-BHC	0.050 U 0.000100 0.050			
319-86-8 delta-BHC	<del> </del>			
58-89-9 gamma-BHC (Lindane)	0.050 U 0.000100 0.050 0.050 U 0.000100 0.050			
5103-74-2 gamma-Chlordane	0.050 U 0.000100 0.050			

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FORM | ORG-1

## 1D ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL	Sample ID: SK-SW51-1018			
Lab Code: LA024 Case No.:	Contract:			
Matrix: Water	SAS No.: SDG No.: 206061713			
Sample wt/vol: 1000 Units: mL	Lab Sample ID: 20606171305			
Level: (low/med) LOW	Date Collected: 06/16/06 Time: 0810			
% Moisture: decanted: (Y/N)	Date Received: 06/17/06			
GC Column: ID: (mm)	Date Extracted: 06/19/06			
Concentrated Extract Volume: 1000 ( µL )	Date Analyzed: 06/21/06 Time: 1523			
Soil Aliquot Volume: ( µL )	Dilution Factor: 1 Analyst: DLB			
Injection Volume: 1 ( µL )	Prep Method: OLM4.2 PEST/PCB			
GPC Cleanup: (Y/N) N pH:	Analytical Method: OLMO 4.2			
Prep Batch: 326006 Analytical Batch: 326218				
CONCENTRATION UNITS: ug/L	Lab File ID: 2060621/SV18A023			
CAS NO. COMPOUND	RESULT Q MDL RL			
72-54-8  4.4'-DDD	0.100 U 0.000100 0.100			
72-55-9 (4,4'-DDE	0.100 U 0.000100 0.100			
50-29-3 4.4'-DDT	0.100 U 0.000100 0.100			
309-00-2 Aldrin				
12674-11-2 Aroclor-1016	0.050 U 0.000100 0.050 1.00 U 0.000100 1.00			
11104-28-2 Aroclor-1010	2.00 U 0.000100 2.00			
11141-16-5 Aroclor-1232	1.00 U 0.000100 1.00			
	1.00 U 0.000100 1.00			
12672-29-6 Aroclor-1248	1.00 U 0.000100 1.00			
11097-69-1 Aroclor-1254	1.00 U 0.000100 1.00			
11096-82-5 Aroclor-1260	1.00 U 0.000100 1.00			
60-57-1 Dieldrin	0.100 U 0.000100 0.100			
959-98-8   Endosulfan I	0.050 U 0.000100 0.050			
33213-65-9 Endosulfan II	0.100 U 0.000100 0.100			
1031-07-8 Endosulfan sulfate	0.100 U 0.000100 0.100			
72-20-8 Endrin	0.100 U 0.000100 0.100			
7421-93-4 Endrin aldehyde	0.100 U 0.000100 0.100			
53494-70-5 Endrin ketone	0.100 U 0.000100 0.100			
76-44-8 Heptachlor	0.050 U 0.000100 0.050			
1024-57-3 Heptachlor epoxide	0.050 U 0.000100 0.050			
72-43-5 Methoxychlor	0.500 U 0.000100 0.500			
8001-35-2 Toxaphene	5.00 U 0.000100 5.00			
319-84-6 alpha-BHC	0.050 U 0.000100 0.050			
5103-71-9 alpha-Chlordane	0.050 U 0.000100 0.050			
319-85-7 beta-BHC	0.050 U 0.000100 0.050			
319-86-8 delta-BHC	0.050 U 0.000100 0.050			
58-89-9 gamma-BHC (Lindane)	0.050 U 0.000100 0.050			
5103-74-2 gamma-Chlordane	0.050 11 0.000100 0.050			

FORM | ORG-1

## 1D ORGANICS ANALYSIS DATA SHEET

Lab Name:	GCAL	Sample ID: SK-SW51DUPE-1018				
Lab Code:	LA024 Case No.:	Contract:				
	ater			SDG No.:		
	ol: 1000 Units: mL	Lab Sample ID:	2060617	1306		
	ned) LOW	Date Collected:	06/16/06	Time:	0820	
% Moisture:					rappagagaminan anggi susus unangga ting anati naggada sus sis	
GC Column:	ID: (mm)	Date Extracted:				
Concentrated	d Extract Volume: 1000 (μL)	Date Analyzed:	06/21/06	Time:	1602	
Soil Aliquot \		Dilution Factor:			t: DLB	
Injection Volu	ume: 1 (μL)	Prep Method:	Prep Method: OLM4.2 PEST/PCB			
	p: (Y/N) N pH:	Analytical Method: OLMO 4.2				
	326006 Analytical Batch: 326218		A	Instrument I	D: GCS18A	
	ATION UNITS: ua/L	Lab File ID:		21/SV18A024	same an invalid about the states, chinate raths in a see	
	COMPOUND	RESULT	Q	MDL	RL	
72-54-8	4.4'-DDD	0.100	Ū	0.000100	0.100	
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100	
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100	
309-00-2	Aldrin	0.050	U	0.000100	0.050	
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00	
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00	
11141-16-5	Arocior-1232	1.00	U	0.000100	1.00	
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00	
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00	
11097-69-1	Aroclor-1254	1.00	Ü	0.000100	1.00	
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00	
60-57-1	Dieldrin	0.100	U	0.000100	0.100	
959-98-8	Endosulfan I	0.050	U	0.000100	0.050	
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100	
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100	
72-20-8	Endrin	0.100	U	0.000100	0.100	
7421-93-4	Endrin aldehyde	0.100	ט	0.000100	0.100	
	Endrin ketone	0.100	υ	0.000100	0.100	
76-44-8	Heptachlor	0.050	U	0.000100	0.050	
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050	
72-43-5	Methoxychlor	0.500	U	0.000100	0.500	
8001-35-2	Toxaphene	5.00	U	0.000100	5.00	
319-84-6	alpha-BHC	0.050	U	0.000100	0.050	
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050	
319-85-7	beta-BHC	0.050	U	0.000100	0.050	
319-86-8	delta-BHC	0.050	U	0.000100	0.050	
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050	
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050	

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FORM | ORG-1

# 1D ORGANICS ANALYSIS DATA SHEET

Lab Name:	GCAL	Sample ID: Sh	(-SW52-10	18	parameters, and the second
Lab Code:	LA024 Case No.:	Contract:			
Matrix: Wa				SDG No.:	
Sample wt/vo	ol: 1000 Units: mL	Lab Sample ID:	2060617	1307	
	ed) LOW	Date Collected:	06/16/06	Time:	0835
% Moisture:	decanted: (Y/N)	Date Received:	06/17/06	nimo ke disprimbadidi e mesidis simb	C. Fall Comments of American property and the contract of the
GC Column:	ID: (mm)	Date Extracted:	06/19/06		
	1 Extract Volume: 1000 (μL)	Date Analyzed:			1639
Soil Aliquot V					t: DLB
Injection Volu	ıme: 1 (μL)				eracina yazı yazı evr krallerindi. Evr et mek ilkizini
	p: (Y/N) N pH:				e gagernaging gagernaging i skell har benoming genet i somme men andere viel in
	326006 Analytical Batch: 326218			Instrument I	
		Lab File ID:		21/SV18A025	garage a decreasing of the second contract of the second
CONCENTRA	ATION UNITS: ug/L	Lab File ID.	20000	E173 V 10/10/23	and the state of t
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Arocior-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	Ų	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	Ü	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	Ú	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	υ	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

FORM | ORG-1

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#### 1D ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL	Sample ID: SK-SWEB-1018
Lab Code: LA024 Case No.:	Contract:
Matrix: Water	SAS No.: SDG No.: 206061713
Sample wt/vol: 1000 Units: mL	Lab Sample ID: 20606171308
Level: (low/med) LOW	Date Collected: 06/16/06 Time: 0915
% Moisture: decanted: (Y/N)	Date Received: 06/17/06
GC Column: ID: (mm)	Date Extracted: 06/19/06
Concentrated Extract Volume: 1000 ( µL )	Date Analyzed: 06/21/06 Time: 1658
Soii Aliquot Volume: ( µL )	Dilution Factor: 1 Analyst: DLB
Injection Volume: 1 ( µL )	Prep Method: OLM4.2 PEST/PCB
GPC Cleanup: (Y/N) N pH:	Analytical Method: OLMO 4.2
Prep Batch: 326006 Analytical Batch: 326218	Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
CONCENTRATION UNITS: ug/L	Lab File ID: 2060621/SV18A026
CAS NO. COMPOUND	RESULT Q MDL RL
72-54-8 4,4'-DDD	0.100 U 0.000100 0.100 i
72-55-9 4,4'-DDE	0.100 U 0.000100 0.100
50-29-3 4,4'-DDT	0.100 U 0.000100 0.100
309-00-2 Aldrin	0.050 U 0.000100 0.050
12674-11-2 Aroclor-1016	1.00 U 0.000100 1.00
11104-28-2 Aroclor-1221	2.00 U 0.000100 2.00
11141-16-5 Aroclor-1232	1.00 U 0.000100 1.00
53469-21-9 Aroclor-1242	1.00 U 0.000100 1.00
12672-29-6 Aroclor-1248	1.00 U 0.000100 1.00
11097-69-1 Aroclor-1254	1.00 U 0.000100 1.00
11096-82-5 Aroclor-1260	1.00 U 0.000100 1.00
60-57-1 Dieldrin	0.100 U 0.000100 0.100
959-98-8 Endosulfan I	0.050 U 0.000100 0.050
33213-65-9 Endosulfan II	0.100 U 0.000100 0.100
1031-07-8 Endosulfan sulfate	0.100 U 0.000100 0.100
72-20-8 Endrin 7421-93-4 Endrin aldehyde	0.100 U 0.000100 0.100 0.100 U 0.000100 0.100
53494-70-5	0.100 U 0.000100 0.050 0.050 U 0.000100 0.050
1024-57-3 Heptachlor epoxide	0.050 U 0.000100 0.050
72-43-5 Methoxychlor	0.500 U 0.000100 0.500
8001-35-2 Toxaphene	5.00 U 0.000100 5.00
319-84-6 alpha-BHC	0.050 U 0.000100 0.050
5103-71-9 alpha-Chlordane	0.050 U 0.000100 0.050
319-85-7 beta-BHC	0.050 U 0.000100 0.050
319-86-8 delta-BHC	0.050 U 0.000100 0.050
58-89-9 gamma-BHC (Lindane)	0.050 U 0.000100 0.050
5103-74-2 gamma-Chlordane	0.050 U 0.000100 0.050
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EPA SAMPLE NO.

mg/kg dry weight	t): ug/L  Concentration  36.7  4.0  4.0  43.6  0.5  0.1  72200  1.8  0.7	C B U U B U U B B	Q Q	М Р Р Р		
Analyte	Concentration  36.7  4.0  4.0  43.6  0.5  0.1  72200  1.8  0.7	B U U B U U	Q	P P P P	-	
Analyte	Concentration  36.7  4.0  4.0  43.6  0.5  0.1  72200  1.8  0.7	B U U B U U	Q	P P P P		
Analyte	Concentration  36.7  4.0  4.0  43.6  0.5  0.1  72200  1.8  0.7	B U U B U U	Q	P P P P		
	36.7 4.0 4.0 43.6 0.5 0.1 72200 1.8 0.7	B U U B U U	Q	P P P P		
	4.0 4.0 43.6 0.5 0.1 72200 1.8 0.7	U U B U U		P P P P		
	4.0 43.6 0.5 0.1 72200 1.8 0.7	U B U U		P P P		
	43.6 0.5 0.1 72200 1.8 0.7	B U U		P P P		
	0.5 0.1 72200 1.8 0.7	U U B		P P		
	0.1 72200 1.8 0.7	U B		Р	]	
	72200 1.8 0.7	В			-1	
	1.8 0.7			<del></del>	1	
	0.7			P	7	
				Р	1	
	4 4	U		Р		
	1.4	υ		Р	]	
	19.3	В		Р	]	
	1.8	U		Р	]	
1	22100			Р	]	
9	3.3	В		Р		
	0.1	U		AV		
	0.5	U		Р	]	
	<del>                                      </del>				17	
	L		N		uz	
		U				
			<del></del>		1	
			· · · · · · · · · · · · · · · · · · ·		1	
	<del> </del>				]	
	0.6	U	<del></del>	AS	}	
		2880 4.9 1.0 46300 2.6 1.2 1.3 0.6	4.9 U 1.0 U 46300 2.6 U 1.2 U 1.3 B	4.9 U N  1.0 U  46300  2.6 U  1.2 U  1.3 B	4.9     U     N     P       1.0     U     P       46300     P       2.6     U     P       1.2     U     P       1.3     B     P	4.9 U N P 1.0 U P 46300 P 2.6 U P 1.2 U P 1.3 B P

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## EPA SAMPLE NO.

INORGANIC	ANALYSIS	DATA	SHEET

					SK-SW	51-1018	i	}
Lab Name: _(	GCAL	Cont	ract:					
Lab Code: L	A024 Case No.:	SAS	No.:	····	SDG No.:	2060	61713	
Matrix: ( soil /	water) Water	Lab Sa	mple ID:	20606171305				
Level: ( low / n	ned)	Data P	aggivad:	06/17/06				
% Solids:		Date N	eccived.	00/11/100				
Concentration	n Units (ug/L or mg/kg dry weig	ght) ; ug/L						
CAS No.	Analyte	Concentration	С	l	Q	М	}	
74.29-90-5	Aluminum	36.2	В			Р	1	
7440-36-0	Antimony	4.0	U			Р		
7440-38-2	Arsenic	4.0	U			Р	1	
7440-39-3	Barium	48.2	В			Р	1	
7440-41-7	Beryllium	0.5	U			Ρ	1	
7440-43-9	Cadmium	0.1	U			Р	1	
7440-70-2	Calcium	82800				Р	]	
744-0-47-3	Chromium	2.0	В			Р		
7440-48-4	Cobalt	0.7	U			Р		
7440-50-8	Copper	1.4	U			Р		
7439-89-6	Iron	55.9	В			Р		
7439-92-1	Lead	1.8	U			Р	1	
7439-95-4	Magnesium	23600				Р		
7439-96-5	Manganese	7.7	В			Р	ļ	
7439-97-6	Mercury	0.1	U			AV		
7440-02-0	Nickel	0.5	U			Р	_	
7440-09-7	Potassium	2810	В		E	Р	1	
7782-49-2	Selenium	4.9	U		N	Р	U.Z	
7440-22-4	Silver	1.0	U			Р		
7440-23-5	Sodium	46400				Р		
7440-28-0	Thallium	2.6	U			Р		
7440-62-2	Vanadium	1.2	Ų			Р		
7440-66-6	Zinc	0.7	Ü			Р		
57-12-5	Cyanide	0.6	U			AS		
								3/2,/06
								,,,
Color Before:	COLORLESS	Clarity Before: _C	LEAR		Texture:			
Color After:	COLORLESS	Clarity After: C	LEAR		Artifacts:			
Comments:								

FORM I - IN

### INORGANIC ANALYSIS DATA SHEET

	<b>~</b> .		_	
EPA	SA	MPL	.⊨.	NO

					SK-SW5	1DUPE-1018	
Lab Name:	GCAL		Contract:				
Lab Code:	LA024	Case No.:	SAS No.:		SDG No.:	206061713	
Matrix: ( soil	/ water )	Water	Lab Sample ID:	20606171306			

Date Received: 06/17/06

% Solids:

Level: ( low / med )

14 100

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	53.7	В		Р
7440-36-0	Antimony	4.0	U	U	
7440-38-2	Arsenic	4.0	U		Р
7440-39-3	Barium	48.5	В		P
7440-41-7	Beryllium	0.5	U		Р
7440-43-9	Cadmium	0.1	U		Р
7440-70-2	Calcium	82200			Р
7440-47-3	Chromium	1.9	В		Р
7440-48-4	Cobalt	0.7	U	U	
7440-50-8	Copper	1.4	Ü		Р
7439-89-6	iron	78.3	В		P
7439-92-1	Lead	1.8	U		Р
7439-95-4	Magnesium	23500			Р
7439-96-5	Manganese	10.5	В		Р
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.5	U		Р
7440-09-7	Potassium	2810	В	E	P
7782-49-2	Selenium	4.9	Ü	N	Р
7440-22-4	Silver	1.0	U		Р
7440-23-5	Sodium	46500			Р
7440-28-0	Thallium	2.6	υ		Р
7440-62-2	Vanadium	1.2	υ		Р
7440-66-6	Zinc	0.7	Ü		Р
57-12-5	Cyanide	0.6	Ú		AS

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Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET					SK-SW5	2-1018			
Lab Name: GC	AL	Conf	iract:				}		
Lab Code: LA0	Lab Code: LA024 Case No.: SAS No.:					20606	1713		
Matrix: ( soil / wat	ter) Water	Lab Sa	mple ID: 2060	6171307					
Level: ( low / med ) Date Received: 06/17/06									
% Solids:									
Concentration U	nits (ug/L or mg/kg dry weight)	): ug/L							
CAS No.	Analyte	Concentration	С	Q		М			
7429-90-5	Aluminum	33.6	В	1		Р			
7440-36-0	Antimony	4.0	Ü			Ρ			
7440-38-2	Arsenic	4.0	U			Р			
7440-39-3	Barium	48.6	В			Р			
7440-41-7	Beryllium	0.5	U			Р			

CAS NO.	Allalyte	Concentiation	, ~	1 ~	וייו	1
7429-90-5	Aluminum	33.6	В		Р	7
7440-36-0	Antimony	4.0	Ü		P	1
7440-38-2	Arsenic	4.0	U		Р	7
7440-39-3	Barium	48.6	В		Р	1
7440-41-7	Beryllium	0.5	U		Р	1
7440-43-9	Cadmium	0.1	U		Р	7
7440-70-2	Calcium	83700			P	1
7440-47-3	Chromium	1.6	В		P	1
7440-48-4	Cobalt	0.7	U		P	1
7440-50-8	Copper	1.4	U		P	1
7439-89-6	Iron	49.3	В		Р	1
7439-92-1	Lead	1.8	U		P	1
7439-95-4	Magnesium	23100			P	1
7439-96-5	Manganese	7.8	В		Р	1
7439-97-6	Mercury	0.1	U		AV	1
7440-02-0	Nickel	0.5	V		Р	1
744()-09-7	Potassium	2780	В	E	P	1.1
7782-49-2	Selenium	4.9	U	N	P	\ \u_{-1}
7440-22-4	Silver	1.0	U		Р	1
744C-23-5	Sodium	48200			Р	1
7440-28-0	Thallium	2.6	Ü		Р	1
7440-62-2	Vanadium	1.2	Ü		Р	1
7440-66-6	Zinc	6.2	В		Р	1
57-12-5	Cyanide	0.6	Ú		AS	1

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Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					

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#### EPA SAMPLE NO.

INORGANIC	ANALYSIS	DATA	SHEET
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				0.00	O LD	
Lab Name: _G	GCAL	Co	ntract:	<u> </u>		
Lab Code: LA	A024 Case No.:	SA	S No.:	SDG I	No.: 2060	61713
Matrix: ( soil / v	vater) Water	Lab S	Sample ID: 206061	71308		
Level: ( low / m	ed)				······································	
% Solids:	· · · · · · · · · · · · · · · · · · ·	Date	Received: 06/17/0	J6		
% Sulids:	<del>,</del>					
Concentration	Units (ug/L or mg/kg dry weigh	nt): ug/L				
CAS No.	Analyte	Concentration	С	Q	М	]
7429-90-5	Aluminum	14.8	U		Р	1
7440-36-0	Antimony	4.0	U		Р	1
7440-38-2	Arsenic	4.0	U		Р	1
7440-39-3	Barium	0.1	В		Р	1
7440-41-7	Beryllium	0.5	U		Р	1
7440-43-9	Cadmium	0.1	U		P	1
7440-70-2	Calcium	17.7	В		Р	]
7440-47-3	Chromium	0.4	U		Р	]
7440-48-4	Cobalt	0.7	U		Р	]
7440-50-8	Copper	1.4	U		Р	}
7439-89-6	Iron	12.9	U		Р	]
7439-92-1	Lead	1.8	U		Р	
7439-95-4	Magnesium	31.7	В		Р	]
7439-96-5	Manganese	0.3	U		Р	
7439-97-6	Mercury	0.1	U	<del></del>	AV	
7440-02-0	Nickel	0.5	U	······	Р	
7440-09-7	Potassium	69.6	В	E	Р	」
7782-49-2	Selenium	4.9	U	N	Р	us
7440-22-4	Silver	1.0	U		Р	
7440-23-5	Sodium	49.1	U		Р	
7440-28-0	Thallium	2.6	U		Р	ļ
7440-62-2	Vanadium	1.2	U		Р	
7440-66-6	Zinc	0.7	U	<del></del>	P	
57-12-5	Cyanide	0.6	U	<del></del>	AS	
						8/31/06 Mar
Color Before:	COLORLESS COLORLESS	Clarity Before: Clarity After:	CLEAR CLEAR	Textur Artifac		
Comments:						

FORM I - IN

## EPA SAMPLE NO. INORGANIC ANALYSIS DATA SHEET

ev	DIMED	1010	Dice	

	·		0.0 0	SK-	SW50-1018 (	(DISS)
Lab Name:	GCAL	Co	ontract:			
Lab Code: L	A024 Case No.:	SA	S No.:	SDG	No.: 20606	1713
Matrix: ( soil /	water) Water	Lab \$	Sample ID: 206061	71310		
Level: (low/n	ned)	Data	Received: 06/17/0	16		
% Solids:		Date	Neceived. 00/1//			
Concentration	u Units (ug/L or mg/kg dry weig	ht); ug/L				
CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	14.8	U		Р	
7440-36-0	Antimony	4.0	U		Р	
7440-38-2	Arsenic	4.0	U		Р	
7440-39-3	Barium	43.6	В		Р	
7440-41-7	Beryllium	0.5	υ		Р	
7440-43-9	Cadmium	0.1	U		Р	
7440-70-2	Calcium	72300			Р	
7440-47-3	Chromium	1.8	В		Р	
7440-48-4	Cobalt	0.7	U	·	Р	
7440-50-8	Copper	1.4	U		Р	
7439-89-6	Iron	14.4	В	<del></del>	Р	
7439-92-1	Lead	1.8	U		Р	
7439-95-4	Magnesium	22100	<del></del>	<del></del>	P	
7439-96-5	Manganese	1.9	В	<del></del>	Р	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.5	U	<del></del>	P	
744C-09-7	Potassium	2860	В	E	P	I
7782-49-2	Selenium	4.9	U	N	P	us
7440-22-4	Silver	1.0	Ū	<del></del>	P	
7440-23-5	Sodium	45900	<del></del>	<del> </del>	P	
7440-28-0 7440-62-2	Thallium	2.6	U		P	
7440-62-2 7440-66-6	Vanadium Zinc	1.2	+ B +	<del> </del>	P	
7440-60-6	Zinc	1.3		<del></del>	1	
						8/31/26
Color Before:	COLORLESS	Clarity Before:	CLEAR	Textur	e:	
Color After:	COLORLESS	Clarity After:	CLEAR	- Artifac		
Comments:						

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## EPA SAMPLE NO.

INORGANIC	ANALYSIS	DATA	SHEET
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	"	TO TO THE	OIO DATA GREET	SK-SW5	1-1018 (DISS)
Lab Name:	GCAL	C	ontract:		
Lab Code: L	A024 Case No.:	S/	AS No.:	SDG No.:	206061713
Matrix: ( soil /	water) Water	Lab	Sample ID: 206061	71313	
Level: (low/n	ned)	Date	e Received: 06/17/0	16	
% Solids:	****	54.	3110001100.		
Concentration	n Units (ug/L or mg/kg dry weigl	ht): ug/L			
CAS No.	Analyte	Concentration	С	Q	M
7429-90-5	Aluminum	14.8	1 0 1		P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	48.3	В		P
7440-41-7	Beryllium	0.5	U		P
7440-43-9	Cadmium	0.1	Ü		Р
7440-70-2	Calcium	83100			P
7440-47-3	Chromium	1.8	В		Р
7440-48-4	Cobalt	0.7	U		Р
7440-50-8	Copper	1.4	U		Р
7439-89-6	Iron	12.9	U		Р
7439-92-1	Lead	1.8	U		Р
7439-95-4	Magnesium	23500			Р
7439-96-5	Manganese	6.0	В		Р
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.6	В		Р
7440-09-7	Potassium	2770	В	E	PJJ
7782-49-2	Selenium	4.9	U	N	P UJ
7440-22-4	Silver	1.0	U		Р
7440-23-5	Sodium	45200			Р
7440-28-0	Thallium	2.6	U		Р
7440-62-2	Vanadium	1.2	U		Р
7440-66-6	Zinc	1.9	В		Р
					\$13110k
Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
			***************************************	-	
Color After:	COLORLESS	Clarity After:	CLEAR	_ Artifacts:	
Comments:					

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FORM I - IN

#### EPA SAMPLE NO.

#### INORGANIC ANALYSIS DATA SHEET

SK-SW51DUPE-1018 (DISS

Lab Name: GCAL	Contract:			
Lab Code: LA024 Case No.:	SAS No.:		SDG No.:	206061713
Matrix: ( soil / water ) Water	Lab Sample ID:	20606171314		
Level: (low / med )	Date Received:	06/17/06		
% Solids:				

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	С	Q	M
7429-90-5	Aluminum	14.8	U	. <del>//</del>	Р
7440-36-0	Antimony	4.0	U		Р
7440-38-2	Arsenic	4.0	U		Р
7440-39-3	Barium	48.3	В		Р
7440-41-7	Beryllium	0.5	U		Р
7440-43-9	Cadmium	0.1	U		Р
7440-70-2	Calcium	82600			Р
7440-47-3	Chromium	1.8	В		Р
7440-48-4	Cobalt	0.7	U		Р
7440-50-8	Copper	1.4	U		Р
7439-89-6	Iron	12.9	U		Р
7439-92-1	Lead	1.8	U		Р
7439-95-4	Magnesium	23500			Р
7439-96-5	Manganese	5.1	В		P
7439-97-6	Mercury	0.1	U	·····	AV
7440-02-0	Nickel	0.5	U		Р
7440-09-7	Potassium	2740	В	E	Р
7782-49-2	Selenium	4.9	U	N	Р
7440-22-4	Silver	1.0	υ		Р
7440-23-5	Sodium	46000		····	Р
7440-28-0	Thallium	2.6	U		P
7440-62-2	Vanadium	1.2	U		Р
7440-66-6	Zinc	4.5	В	······	P

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Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					

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#### EPA SAMPLE NO.

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				SK-	SW52-1018	(DISS)
Lab Name:	GCAL	Co	ontract:			
Lab Code: L	A024 Case No.:	SA	AS No.:	SDG	No.: 2060	61713
Matrix: ( soil /	water) Water	Lab	Sample ID: 20606	171315		
Level: (low/r	ned)	Date	Received: 06/17/	/06		
% Solids:		Duit	, Neserved. 90/17/			
Concentration	n Units (ug/L or mg/kg dry weigh	nt): ug/L				
CAS No.	Analyte	Concentration	C	Q	M	]
7429-90-5	Aluminum	15.7	В		Р	1
7440-36-0	Antimony	4.0	U		Р	
7440-38-2	Arsenic	4.0	υ		Р	
7440-39-3	Barium	48.0	В		Р	İ
7440-41-7	Beryllium	0.5	U		P	
7440-43-9	Cadmium	0.1	U	<del></del>	P	
7440-70-2	Calcium	83100		<del></del>	Р	
7440-47-3	Chromium	1.8	В		P	1
7440-48-4	Cobalt	0.7	U		P	
7440-50-8	Copper	1.4	U	<del></del>	P	
7439-89-6	Iron	12.9	Ü		P	1
7439-92-1	Lead	1.8	U	<del></del>	P	
7439-95-4	Magnesium	23200		······································	P	
7439-96-5	Manganese	4.9	В	<del></del>	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.5	U	<del>"'</del>	P	
7440-09-7	Potassium	2690	В	E	P	I
7782-49-2	Selenium	4.9	U	N	P	UJ
7440-22-4	Silver	1.0	U	· · · · · · · · · · · · · · · · · · ·	P	
7440-23-5	Sodium	46100			P	
7440-28-0	Thallium	2.6	U		Р	
7440-62-2	Vanadium	1.2	U		P	
7440-66-6	Zinc	0.7	U		Р	
						Azilor
Color Before:	COLORLESS	Clarity Before:	CLEAR	Textu	re:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifa	·	
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Comments:						

FORM I - IN

EPA SAMPLE NO.

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	.,			SK-SW	'EB-1018 (DISS)	)
Lab Name: _(	GCAL	Cont	ract:			
Lab Code: L	A024 Case No.:	SAS	No.:	SDG No.	206061713	
Matrix: ( soil / v	water) Water	Lab Sa	mple ID: 2060617131	6		
Level: ( low / m	ned)		eceived: 06/17/06	· · · · · · · · · · · · · · · · · · ·		
% Solids:		Date R	eceived. <u>00/1//08</u>	<del></del>		
	 Units (ug/L or mg/kg dry weigh	nt) : ug/L				
CAS No.	Analyte	Concentration	С	Q	M	
7429-90-5	Aluminum	15.3	В		Р	
7440-36-0	Antimony	4.0	U		Р	
7440-38-2	Arsenic	4.0	U		Р	
7440-39-3	Barium	0.1	U		Р	
7440-41-7	Beryllium	0.5	U		Р	
7440-43-9	Cadmium	0.1	U		Р	
7440-70-2	Calcium	53.2	В		Р	
7440-47-3	Chromium	0.4	U		Р	
7440-48-4	Cobalt	0.7	U		Р	
7440-50-8	Copper	1.4	U		Р	
7439-89-6	Iron	12.9	U		Р	
7439-92-1	Lead	1.8	U		P	
7439-95-4	Magnesium	.27.3	В		Р	
7439-96-5	Manganese	0.3	U	-	Р	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.8	В		Р	
7440-09-7	Potassium	42.6	U	E	P UZ	
7782-49-2	Selenium	4.9	U	N	P UZ	
7440-22-4	Silver	1.0	U		P	
7440-23-5	Sodium	116	В		Р	
7440-28-0	Thallium	2.6	υ		Р	
7440-62-2	Vanadium	1.8	В		Р	
7440-66-6	Zinc	2.0	В		Р	
					<b>3</b> 1 1	nlos ma
Color Before:	COLORLESS	Clarity Before: <u>C</u>	LEAR	Texture:		
Color After:	COLORLESS	Clarity After: C	LEAR	Artifacts:		
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Comments:						

UU4L#	<u></u>	HAIN OF CUSTOP	RECORD		<u>.</u>
GULF COAST ANALYTICA	Lab use only	Earth Jech Client Name	4342 Client #	2060617 13 Workorder #	6-30-06 Due Date
Report to:  Client: Ear Th Tech  Address: 2773 Prygras Dave  Let be now Kis 41048  Contact: ict Higgins  Phone: OSG 442-23"  PO. Number  Fax: EG 442-23"  PO. Number  Project Name/Number  Sampled By:  Oat Higgins & Da  Sampled By:  Oat Higgins & Da  Sample Descripti  Olis 1800 Sh-Sws  Oals Isio Sh-Sws  Oals Sh-Sws  Oals Sh-Sws  Oals Sh-Sws  Oals Sh-Sws	Bill Client: Address: Contact: Phone: Fax:  Lc-d fill- Znd  Ilc Crime s	1to: nv p.r.i-45 Pontret Qtr. 2006	Augustical Bedreites  The Land August August  Cycuick  X  Cycuick  X  Cycuick  X  Cycuick  X  Cycuick  X	Ethod  Lab use only:  Custody Seal  used in tact in tact  Temperature  Remarks:  Tufer to  Tuble 7 (  And Tole  (TAL)	yes □ no yes □ no yes □ no c 5  Lab ID  / 0.5  I. T-L) Z  1e 8 3  I. Thu 5  D: M 6  a 7  Irst 8 16
Turn Around Time: 24-48 hrs.	3 days	Standard	Other		
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Client:	Earth Tec ent Name D:		4347 Client #	1 <u>06061713</u> Workorder #	6.30.06 Due Date
Client:	):	Anaiy			
Contact: S ( )		Vol. tres	Lical Hednests & Wet	hod  Lab use only:  Custody Seal  used 2 9e  in tact 1 ye  Temperature °C	s 🗌 no
otion	Preservatives Con- tainers	Vol.	450	Remarks:	Lab ID
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d by: (Signature)  C )	0  6 06  (200 ate 61706   Time: 6-100   920	Other	tendered Tur	Via FED EX to-	gaiority
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7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402

Phone 225 769.4900 • Fax 225.767.5717	Client Name	Client #	Workorder # Due Date
Report to:	Bill to:	Analytical Requests & Method	Lab use only.
Address: 2373 Progress Drive Ad	Client:dress:		Custody Seal  used ☐ yes ☐ no  in tact ☑ yes ☐ no
Contact: 14 1 1 1 9 9 1 - 8 Co Phone: 99 - 49 7 - 2300 F Fax: 059 - 442 - 2311	Phone:	1/2   1/2	Temperature °C _5
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Pat Higgins & Dalla	s Grimes	10/4+1/6/2 Sesticitus 10/4 (10/4) 10/4 (10/4) 10/4 (10/4)	Lab ID
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SW 6/16 08,0 X Sk-SWS1- CW 6/16 08,20 X Sk-SWS1	Depe-1018 Verrors 7	XXXXXX	Tefer to 5 13 de telle 7 (til) 6 14 de telle 8 (TAL) of The Fire 1 0:M
			(TAL) of The
			plan for s
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			of inalytis
Turn Around Time: 24-48 hrs. 3 da	ys ☐ 1 week 💢 Śtandard	Other	
Relinquished by: (Signature) Received by: (S			ixixi
Relinquished by: (Signature) Received by: (S		7 X Carller	EN EX- Privity
Relinquished by: (Signature) Received by: (S	~	By submitting these samples, you agree to the conditions contained in our most recent schedu	terms and Overnight Deliving by the of services.

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GULF COAST A	NALYTICAL LAB	ORATORIES, INC	

Matrix!: W = water, S = soil, SD = solid, L = liquid, SL = studge, o = oil, CT = charcoal tube. A = air bag

CHAIN OF CUSTOP" RECORD

GULF COAST ANALYTICAL LABORATORIES, INC	Las dos siny	Earth T	ech		1	4342	1 10	6061713	6.30-0	6
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402 Phone 225,769.4900 • Fax 225,767,5717	Clier	nt Name				Client #		Workorder #	Due D	)ate
Report to:  Client: Egr T TPCh  Iddress: 2373 Prograss Drive  Helmon, WI 41090  Contact: Pat Higgins  Phone: 0.54-442-231  P.O. Number Project Name/Number  54280.01 Project Name/Number  54280.01 Project Name/Number	Bill to:  Client:  Address:  Contact:  Phone:  Fax:	~i-45		Valatiles Seni Volatiles	Analytica ( )	50 00	s & Method	Lab use only:  Custody Seal  used  yes  in tact yes  Temperature °C	s □no - <b>3</b>	Lab ID X
Matrix <sup>1</sup> Date Time o r (2400) n a Sample Descriptio	n	Preservative		12/2	0	·+7<		Remarks:		055
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116 SW 0935 X SK - SW 5	2-1018	U ;	7	X	XX	YXX	<u> </u>	Table 71		15 15 SANARY LABORATORY (A)
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	by: (Signature) Date	r1 7-06 te:	GZU Time:	By submi	tting thes	e samples,	کوہ + ان زر you agree to the t	FED EX - Priority	محاريوب. محاريوب	7 98-198

#### DATA VALIDATION REPORT

#### FOR

## SKINNER LANDFILL SITE

**EARTH TECH: PROJECT NUMBER 54280** 

**LABORATORY REPORT NUMBER 206061713** 

PROJECT MANAGER: Ron Rolker

Date: August 29, 2006

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Data Validator: Mark Kromis

#### LIST OF ACRONYMS

BFB Bromofluorobenzene CC Continuing Calibration

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CCV Continuing Calibration Verification
CCB Continuing Calibration Blanks
CLP Contract Laboratory Program
CRDL Contract Required Detection Limit
DFTPP Decafluorotriphenylphosphine

GC/MS Gas Chromatograph/Mass Spectrometer

IC Initial Calibration
 ICB Initial Calibration Blank
 IDL Instrument Detection Limit
 ICP Inductively Coupled Plasma
 ICS Interference Check Sample
 ICV Initial Calibration Verification

ILM Inorganic Analysis Multi-Media Multi-Concentration

INDAM Individual A Mixture INDBM Individual B Mixture mg/L milligrams per liter

MS/MSD Matrix Spike/Matrix Spike Duplicate
OLC Organic Analysis Low Concentration

OLM Organic Analysis Multi-Media Multi-Concentration

%D Percent Difference

% RSD Percent Relative Standard Deviation

PB Preparation Blanks
QC Quality Control
RF Response Factor

RPD Relative Percent Difference
RRF Relative Response Factor
SDG Sample Delivery Group
SOW Statement of Work

µg/L micrograms per liter

US EPA United States Environmental Protection Agency

VOC Volatile Organic Compounds VTSR Validated Time of Sample Receipt

## **DATA VALIDATION REPORT**

**FOR** 

SKINNER LANDFILL SITE

**EARTH TECH: PROJECT NUMBER 54280** 

**LABORATORY REPORT NUMBER 206061713** 

PROJECT MANAGER: Ron Rolker

Date: August 29, 2006

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Data Validator: Mark Kromis

#### LIST OF ACRONYMS

BFB Bromofluorobenzene CC Continuing Calibration

CCV Continuing Calibration Verification
CCB Continuing Calibration Blanks
CLP Contract Laboratory Program
CRDL Contract Required Detection Limit
DFTPP Decafluorotriphenylphosphine

GC/MS Gas Chromatograph/Mass Spectrometer

IC Initial Calibration

ICB Initial Calibration Blank
IDL Instrument Detection Limit
ICP Inductively Coupled Plasma
ICS Interference Check Sample
ICV Initial Calibration Verification

ILM Inorganic Analysis Multi-Media Multi-Concentration

INDAM Individual A Mixture INDBM Individual B Mixture mg/L milligrams per liter

MS/MSD Matrix Spike/Matrix Spike Duplicate
OLC Organic Analysis Low Concentration

OLM Organic Analysis Multi-Media Multi-Concentration

%D Percent Difference

Wales

% RSD Percent Relative Standard Deviation

PB Preparation Blanks
QC Quality Control
RF Response Factor

RPD Relative Percent Difference
RRF Relative Response Factor
SDG Sample Delivery Group
SOW Statement of Work

µg/L micrograms per liter

US EPA United States Environmental Protection Agency

VOC Volatile Organic Compounds VTSR Validated Time of Sample Receipt

## DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061713 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 206061713.

GCAL#	Sample Description
20606171301	SK-SW50-1018
20606171302	SK-SW50MS-1018
20606171304	SK-SW50DUP-1018
20606171305	SK-SW51-1018
20606171306	SK-SW51DUPE-1018
20606171307	SK-SW-52-1018
20606171308	SK-SWEB-1018
20606171310	SK-SW50-1018 (DISS)
20606171311	SK-SW50MS-1018 (DISS)
20606171312	SK-SW50DUP-1018 (DISS)
20606171313	SK-SW51-1018 (DISS)
20606171314	SK-SW51DUPE-1018 (DISS)
20606171315	SK-SW-52-1018 (DISS)
20606171316	SK-SWEB-1018 (DISS)

#### INTRODUCTION

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Analyses of metals were performed according to Contract Laboratory Program (CLP)-Inorganic Analysis Multi-media Multi-concentration ILM04.1 Statement of Work (SOW). Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values maybe used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the inorganics data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. Calibration
  - A. Initial Calibration (IC)
  - B. Continuing Calibration (CC)
- 3. Blanks

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- 4. Inductively Coupled Plasma (ICP) Interference Check Sample
- 5. Laboratory Control Sample (LCS)
- 6. Duplicate Analysis
- 7. Spike Sample Analysis
- 8. ICP Serial Dilution
- 9. System Performance
- 10. Documentation
- 11. Overall Assessment

#### 1. HOLDING TIMES

All samples for inorganics analyses were analyzed within the 180-day holding time for preserved aqueous samples. Mercury analyses were conducted within the 28-day holding time for aqueous samples undergoing CLP protocol. Cyanide analyses were conducted within the 14-day holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of  $4^{\circ}\text{C}$  +/-  $2^{\circ}\text{C}$ .

#### 2. CALIBRATION

#### A. Initial Calibration

The percent recoveries for the Initial Calibration Verification (ICV) standard were within Quality Control (QC) limits for all constituents.

#### B. Continuing Calibration

The percent recoveries for the Continuing Calibration Verification (CCV) standard were within QC limits for all constituents.

#### 3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB blanks above the corresponding Contract Required Detection Limit (CRDL).

#### 4. ICP INTERFERENCE CHECK SAMPLE

Results for the ICP analysis of the Interference Check Sample (ICS) solution AB were within 20% of the true value.

#### 5. LABORATORY CONTROL SAMPLES

Recoveries were within the control limit (80-120%) for all constituents.

#### 6. DUPLICATE ANALYSIS

The laboratory used samples SK-SW50-1018 (total and dissolved fractions) for the duplicate samples. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes.

#### 7. SPIKE SAMPLE ANALYSIS

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The laboratory used sample SK-SW50-1018 (total and dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception Selenium (60%) in the dissolved fraction.

As per the National Functional Guidelines, if the percent recovery is greater than 30% but less than 75% qualify results greater than the IDL with "J" and non-detected results with "UJ".

#### 8. ICP SERIAL DILUTION

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As noted in the National Functional Guidelines: If the analyte concentration is at least 50 times above the IDL, its serial dilution analysis must then agree within 10% of the original determination after corrected for dilution. The serial dilution is performed to determine whether any significant chemical or physical interference's exist due to matrix effects. The serial dilution percent differences were within the acceptance criteria for all target analytes with the exception of Potassium associated with the total fraction. As per the National Functional Guidelines, if the serial dilution %D exceeds the acceptance criteria then qualify results associated with that analyte as estimated with a "J".

#### 9. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

## 10. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

#### 11. OVERALL ASSESSMENT

The percent recoveries for Silver in the Contract Required Detection Limit (CRDL) standards analyzed on 6/23/06 were 79, 81%, 82%, 82%, and 81%. As per the National Functional Guidelines, if the CRDL is below 80% then detected results are qualified as estimated with "J" and non-detected results with "UJ". The results are acceptable with the validator-added qualifiers.

## DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061713 SEMIVOLATILE ORGANICS

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Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999) as appropriate. The results were reported by GCAL under SDG 206061713.

GCAL#	Sample Description
20606171301	SK-SW50-1018
20606171302	SK-SW50MS-1018
20606171303	SK-SW50MSD-1018
20606171305	SK-SW51-1018
20606171306	SK-SW51DUPE-1018
20606171307	SK-SW-52-1018
20606171308	SK-SWEB-1018

#### INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various data qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the semivolatile data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times

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- 2. GC/MS Tuning
- 3. Calibration
  - A. IC
  - B. CC
- 4. Blanks
- 5. System Monitoring Compound Recovery
- 6. MS/MSD
- 7. Internal Standards Performance
- 8. Compound Identification
- 9. Constituent Quantitation and Reported Detection Limits
- 10. System Performance
- 11. Documentation
- 12. Overall Assessment

#### 1. HOLDING TIMES

The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. All samples were extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time.

#### 2. GC/MS TUNING

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The samples were analyzed on a single GC/MS system, identified as MSSV3. One decafluorotriphenylphosphine (DFTPP) tune was run representing the shift in which the standards and samples were analyzed. The DFTPP tune is acceptable.

#### 3. CALIBRATION

#### A. Initial Calibration

One IC dated 6/21/06 was analyzed in support of the semivolatile sample analyses. Documentation of the IC was present in the data package, and the Relative Response Factor (RRF), as well as percent % RSD values were accurately reported for all target compounds. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all semi-volatile compounds. The RRF's and the average RRF for the IC's were within the acceptance criteria specified in the method for all target compounds.

#### B. Continuing Calibration

One CC dated 6/21/06 was analyzed in support of the semivolatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRF's and the CC Response Factors for the CC's were within the acceptance criteria for the CC dated 6/21/06.

### 4. BLANKS

One laboratory semivolatile method blank and an Equipment Blank were analyzed with this SDG. The results are summarized below.

#### Method Blank (MB382003)

Bis-(2-ethylhexyl) phthalate (0.707 ppb) was detected in the blank extracted on 6/19/06.

#### Equipment Blank (SK-SWEB -1018)

Bis-(2-ethylhexyl) phthalate (1.86 ppb) was detected in the Equipment Blank collected on 6/16/06. The Bis-(2-ethylhexyl) phthalate detected in the Equipment Blank was mitigated by the presence of Bis-(2-ethylhexyl) phthalate in the associated Method Blank.

#### 5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits.

## 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

Sample SK-SW50-1018 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of 4-Nitrophenol. As per the National Functional Guidelines no action is taken on MS/MSD data alone.

#### 7. INTERNAL STANDARDS PERFORMANCE

Internal standard (IS) areas and Retention Times (RT) were within the acceptance limits for the reported semivolatile samples.

#### 8. COMPOUND IDENTIFICATION

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All reported semivolatile constituents were correctly identified with supporting chromatograms present in the data package.

## 9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents.

#### 10. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data submitted for review.

#### 11. **DOCUMENTATION**

There was no extraction date or preparation method listed on Form I SV-TIC. The analytical method reported by the GCAL on the Form I SV-TIC was listed as SW-846 8270C when it should have been listed as OLM04.2. The data validator manually made the corrections.

#### 12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

## DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061713 VOLATILE ORGANIC

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Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 206061713.

GCAL#	Sample Description
20606171301	SK-SW50-1018
20606171302	SK-SW50MS-1018
20606171303	SK-SW50MSD-1018
20606171305	SK-SW51-1018
20606171306	SK-SW51DUPE-1018
20606171307	SK-SW-52-1018
20606171308	SK-SWEB-1018

#### INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Low Concentration OLC02.0 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The volatiles data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. GC/MS Tuning
- 3. Calibration
  - A. IC
  - B. CC
- 4. Blanks
- 5. System Monitoring Compound Recovery
- 6. MS/MSD
- 7. Laboratory Control Sample
- 8. Internal Standards Performance
- 9. Compound Identification
- 10. Constituent Quantitation and Reported Detection Limits
- 11. System Performance
- 12. Documentation
- 13. Overall Assessment

## 1. HOLDING TIMES

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All samples for Volatile Organic Compounds (VOC) analyses were analyzed within the 14-day technical holding time and the 10-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

#### 2. GC/MS TUNING

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The samples were analyzed one GC/MS system, identified as MSV0. Two bromofluorobenzene (BFB) tunes were run on MSV0. The BFB tunes are acceptable.

#### 3. CALIBRATION

#### A. Initial Calibration

One IC dated 6/20/06 was analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRF's as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds.

The RRF's and the average RRF for the IC were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone associated with the IC dated 6/20/06. The %RSD's were within the acceptance criteria specified in the method for all target compounds.

#### B. Continuing Calibration

One CC dated 6/21/06 was analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions.

The percent difference (%D) between the average RRF's and the CC RF's for the CC dated 6/21/06 were within the acceptance criteria for all target compounds with the exception of 1,2,4-Trichlorobenzene. The CC RRF's for the CC dated 6/21/06 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone.

As per the National Functional Guidelines, if the %D is outside the +/- 25% criteria then qualify positive results with "J" and non-detected results with "UJ". If the CC RF is less than the acceptance criteria then qualify detected results with "J" and non-detected results with "R".

#### 4. BLANKS

One laboratory volatile method blank, storage blank, and an Equipment Blank were analyzed with this SDG. The results are summarized below.

#### MB382601

There were no compounds detected above the Reporting Limit (RL) in the method blank analyzed on 6/21/06 (1012).

### Storage Blank (VHBLK)

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There were no compounds detected above the Reporting Limit (RL) in the Storage Blank analyzed on 6/21/06.

## Equipment Blank (SK-SWEB-1018)

Acetone (2.9 ppb) was detected in the Equipment Blank collected on 6/16/06.

#### 5. SYSTEM MONITORING COMPOUND RECOVERY

All reported volatile system monitoring compounds (SMC) were recovered within acceptable control limits (80%-120%).

#### 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-SW50-1018 was submitted for the MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria. The RPD between the compounds were within the acceptance criteria.

### 7. LABORATORY CONTROL SAMPLE

One Laboratory Control Sample was analyzed in conjunction with this SDG. Recoveries were within the control limit for all constituents.

#### 8. INTERNAL STANDARDS PERFORMANCE

Internal Standard (IS) areas and retention times were within acceptable limits for the reported volatile sample analyses.

#### 9. COMPOUND IDENTIFICATION

All reported VOCs were correctly identified with supporting chromatograms present in the data package.

#### 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

#### 11. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

## 12. DOCUMENTATION

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The documentation submitted for review appeared accurate and in order.

## 13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

# DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 206061713 PESTICIDES

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Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 206061713.

GCAL#	Sample Description
20606171301	SK-SW50-1018
20606171302	SK-SW50MS-1018
20606171303	SK-SW50MSD-1018
20606171305	SK-SW51-1018
20606171306	SK-SW51DUPE-1018
20606171307	SK-SW-52-1018
20606171308	SK-SWEB-1018

#### INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. Various qualifier codes are used by the laboratory to denote specific information regarding the analytical results.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the pesticide data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. Gas Chromatograph/Electronic Capture Detector (GC/ECD) Instrument Performance Check
- 3. IC

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- 4. Calibration Verification
- Blanks
- 6. Surrogate Spikes
- 7. Matrix Spike/Matrix Spike Duplicate (MS/MSD)
- 8. Pesticide Cleanup Checks
- 9. Target Compound Identification
- 10. Constituent Quantitation and Reported Detection Limits
- 11. Documentation
- 12. Overall Assessment

#### 1. HOLDING TIMES

The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. All samples were initially extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time.

#### 2. GC/ECD INSTRUMENT PERFORMANCE CHECK

The Performance Evaluation Mixture (PEM) was analyzed at the correct frequency. Absolute retention times were within limits. The percent resolution between adjacent peaks was within QC limits for the Pesticide Analyte Resolution Check. The percent resolution between adjacent peaks is within QC limits for the Performance Evaluation Mixtures (PEM).

The percent breakdown for both 4,4'-DDT and Endrin in each PEM was less than 20.0% for both GC columns. The combined percent breakdown for 4,4'-DDT and Endrin in each PEM was less than 30.0% for both GC columns.

#### 3. INITIAL CALIBRATION

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Individual standard mixtures A and B were analyzed at the correct frequencies and concentrations. The percent resolution criterion for Individual standard mixtures A and B were within the acceptance criteria.

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20%. The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks.

## 4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ±25.0 percent for the calibration verifications.

The percent difference for each of the pesticides and surrogates in the midpoint concentration of the Individual Standard Mixtures A and B was within the acceptance criteria of  $\pm 25.0$  percent.

#### 5. BLANKS

One laboratory method blanks and an Equipment blank were analyzed with this SDG. The results are summarized below.

#### Method Blank 381997

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 6/19/06.

### Equipment Blank SK-SWEB-1018

No constituents were detected above the laboratory-reporting limit in the Equipment Blank collected on 6/16/06.

### 6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples except as follows:

**SK-SWEB-1018** 

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TCX (26%)

As per the National Functional Guidelines, if recoveries are between 10 and 30 percent qualify results greater than the detection limit with "J" and non-detected results with "UJ".

### 7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-SW50-1018 was submitted for MS/MSD analysis. All of the percent recoveries associated with the MS/MSD were within the acceptance criteria with the exception of the following: Lindane associated with the MS/MSD, Aldrin and Heptachlor associated with the MSD. All of the RPD's between the MS/MSD were outside of the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD data alone.

### 8. PESTICIDE CLEANUP CHECKS

Recoveries of all pesticides and surrogates were within 80-120% for the lot of Florisil cartridges utilized for pesticide cleanup.

### 9. TARGET COMPOUND IDENTIFICATION

All reported pesticide data were correctly identified with supporting chromatograms present in the data package.

# 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported.

### 11. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

### 12. OVERALL ASSESSMENT

The results are acceptable as qualified by the data validator.

# **REFERENCES**

441919

US EPA, 1994. National Functional Guidelines for Inorganic Data Review.

US EPA, 1999. National Functional Guidelines for Organic Data Review.

# DATA VALIDATION REPORT

# **FOR**

# SKINNER LANDFILL SITE

**EARTH TECH: PROJECT NUMBER 54280** 

**LABORATORY REPORT NUMBER 206061509** 

PROJECT MANAGER: Ron Rolker

Date: August 22, 2006

**Data Validator: Mark Kromis** 

### LIST OF ACRONYMS

cation
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Bromofluorobenzene

CRDL Contract Required Detection Limit
DFTPP Decafluorotriphenylphosphine

GC/MS Gas Chromatograph/Mass Spectrometer

IC Initial Calibration

**BFB** 

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ICB Initial Calibration Blank
IDL Instrument Detection Limit
ICP Inductively Coupled Plasma
ICS Interference Check Sample
ICV Initial Calibration Verification

ILM Inorganic Analysis Multi-Media Multi-Concentration

INDAM Individual A Mixture INDBM Individual B Mixture mg/L milligrams per liter

MS/MSD Matrix Spike/Matrix Spike Duplicate
OLC Organic Analysis Low Concentration

OLM Organic Analysis Multi-Media Multi-Concentration

%D Percent Difference

% RSD Percent Relative Standard Deviation

PB Preparation Blanks
QC Quality Control
RF Response Factor

RPD Relative Percent Difference
RRF Relative Response Factor
SDG Sample Delivery Group
SOW Statement of Work

µg/L micrograms per liter

US EPA United States Environmental Protection Agency

VOC Volatile Organic Compounds VTSR Validated Time of Sample Receipt

# DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061509 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 206061509.

GCAL#	Sample Description
20606150901	SK-GW62A-1018
20606150902	SK-GW06R-1018
20606150903	SK-GW07R-1018
20606150904	SK-GW59-1018
20606150905	SK-GW64-1018
20606150906	SK-GW60-1018
20606150909	SK-GW62A-1018 (DISS)
20606150910	SK-GW06R-1018 (DISS)
20606150911	SK-GW07R-1018 (DISS)
20606150912	SK-GW59-1018 (DISS)
20606150913	SK-GW64-1018 (DISS)
20606150914	SK-GW61-1018
20606150915	SK-GW63-1018
20606150916	SK-GW63DUPE-1018
20606150917	SK-GW58-1018
20606150918	SK-GW58MS-1018
20606150920	SK-GW58DUP-1018
20606150922	SK-GWEB-1018
20606150923	SK-GW61-1018 (DISS)
20606150924	SK-GW63-1018 (DISS)
20606150925	SK-GW63DUPE-1018 (DISS)
20606150926	SK-GW58-1018 (DISS)
20606150927	SK-GW58MS-1018 (DISS)
20606150928	SK-GW58DUP-1018 (DISS)
20606150929	SK-GWEB-1018 (DISS)

# **INTRODUCTION**

Analyses of metals were performed according to Contract Laboratory Program (CLP)-Inorganic Analysis Multi-media Multi-concentration ILM04.1 Statement of Work (SOW). Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values maybe used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the inorganics data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. Calibration

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- A. Initial Calibration (IC)
- B. Continuing Calibration (CC)
- 3. Blanks
- 4. Inductively Coupled Plasma (ICP) Interference Check Sample
- 5. Laboratory Control Sample (LCS)
- 6. Duplicate Analysis
- 7. Spike Sample Analysis

- 8. ICP Serial Dilution
- 9. System Performance
- 10. Documentation
- 11. Overall Assessment

#### 1. HOLDING TIMES

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All samples for inorganics analyses were analyzed within the 180-day holding time for preserved aqueous samples. Mercury analyses were conducted within the 28-day holding time for aqueous samples undergoing CLP protocol. Cyanide analyses were conducted within the 14-day holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of  $4^{\circ}\text{C}$  +/-  $2^{\circ}\text{C}$ .

### 2. CALIBRATION

#### A. Initial Calibration

The percent recoveries for the Initial Calibration Verification (ICV) standard were within Quality Control (QC) limits for all constituents.

# B. Continuing Calibration

The percent recoveries for the Continuing Calibration Verification (CCV) standard were within QC limits for all constituents.

### 3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB blanks above the corresponding Contract Required Detection Limit (CRDL).

#### 4. ICP INTERFERENCE CHECK SAMPLE

Results for the ICP analysis of the Interference Check Sample (ICS) solution AB were within 20% of the true value.

### 5. LABORATORY CONTROL SAMPLES

Recoveries were within the control limit (80-120%) for all constituents.

### 6. DUPLICATE ANALYSIS

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The laboratory used samples SK-GW58-1018 (total and dissolved fractions) for the duplicate samples. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes.

### 7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SK-GW58-1018 (total and dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Thallium (72%) in the total fraction and Selenium (70%) in the dissolved fraction.

As per the National Functional Guidelines, if the percent recovery is greater than 30% but less than 75% qualify results greater than the IDL with "J" and non-detected results with "UJ".

# 8. ICP SERIAL DILUTION

As noted in the National Functional Guidelines: If the analyte concentration is at least 50 times above the IDL, its serial dilution analysis must then agree within 10% of the original determination after corrected for dilution. The serial dilution is performed to determine whether any significant chemical or physical interference's exist due to matrix effects. The serial dilution percent differences were within the acceptance criteria for all target analytes with the exception of Aluminum, Chromium, Potassium, and Zinc associated with the total fraction. As per the National Functional Guidelines, if the serial dilution %D exceeds the acceptance criteria then qualify results associated with that analyte as estimated with a "J".

### 9. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

### 10. DOCUMENTATION

GCAL qualified the results from the dissolved fraction for Aluminum, Chromium, Potassium, and Zinc with an "E" for being outside of the acceptance criteria for the serial dilution analysis. The percent difference between the sample results and serial dilution results associated with the dissolved fractions were within the acceptance criteria and therefore the results should not have been qualified with an "E" qualifier. GCAL qualified the results from the dissolved fraction for Thallium with an "N" for being outside of the acceptance criteria for the MS recovery. The percent recovery for Thallium associated with the MS was within the acceptance criteria and therefore the results should not have been qualified with an "N" qualifier. The MS recovery for Selenium associated with the dissolved fraction was outside of the acceptance criteria and therefore the results associated with the dissolved fraction should have been qualified with an "N" qualifier. The data validator made the corrections manually.

# 11. OVERALL ASSESSMENT

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The percent recoveries for Silver in the Contract Required Detection Limit (CRDL) standards analyzed on 6/23/06 were 79, 81%, 82%, 82%, and 81%. As per the National Functional Guidelines, if the CRDL is below 80% then detected results are qualified as estimated with "J" and non-detected results with "UJ". The results are acceptable with the validator-added qualifiers.

# DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061509 SEMIVOLATILE ORGANICS

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Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999) as appropriate. The results were reported by GCAL under SDG 206061509.

GCAL#	Sample Description
20606150901	SK-GW62A-1018
20606150902	SK-GW06R-1018
20606150903	SK-GW07R-1018
20606150904	SK-GW59-1018
20606150905	SK-GW64-1018
20606150906	SK-GW60-1018
20606150914	SK-GW61-1018
20606150915	SK-GW63-1018
20606150916	SK-GW63DUPE-1018
20606150917	SK-GW58-1018
20606150918	SK-GW58MS-1018
20606150919	SK-GW58MSD-1018
20606150922	SK-GWEB-1018

#### INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various data qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the semivolatile data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times

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- 2. GC/MS Tuning
- 3. Calibration
  - A. IC
  - B. CC
- 4. Blanks
- 5. System Monitoring Compound Recovery
- 6. MS/MSD
- 7. Internal Standards Performance
- 8. Compound Identification
- 9. Constituent Quantitation and Reported Detection Limits
- 10. System Performance
- 11. Documentation
- 12. Overall Assessment

### 1. HOLDING TIMES

The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. All samples were extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time.

### 2. GC/MS TUNING

The samples were analyzed on a single GC/MS system, identified as MSSV3. Two decafluorotriphenylphosphine (DFTPP) tunes were run representing the shift in which the standards and samples were analyzed. The DFTPP tunes are acceptable.

### 3. CALIBRATION

# A. Initial Calibration

One IC dated 6/21/06 was analyzed in support of the semivolatile sample analyses. Documentation of the IC was present in the data package, and the Relative Response Factor (RRF), as well as percent % RSD values were accurately reported for all target compounds. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all semi-volatile compounds. The RRF's and the average RRF for the IC's were within the acceptance criteria specified in the method for all target compounds.

# B. Continuing Calibration

Two CC's dated 6/21/06 and 6/22/06 were analyzed in support of the semivolatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRF's and the CC Response Factors for the CC's were within the acceptance criteria for the CC dated 6/21/06. The %D for 4-Chloroaniline, 3-Nitroaniline, and 4-Nitroaniline associated with the CC dated 6/22/06 exceeded the acceptance criteria. The RRF for the CC's were within the acceptance criteria specified in the method for all target compounds. As per the National Functional Guidelines, if the %D is outside the +/- 25% criteria then qualify positive results with "J" and non-detected results with "UJ".

### 4. BLANKS

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One laboratory semivolatile method blank and an Equipment Blank were analyzed with this SDG. The results are summarized below.

### Method Blank (MB381314)

Bis-(2-ethylhexyl) phthalate (0.953 ppb) was detected in the blank extracted on 6/16/06.

### Equipment Blank (SK-GWEB -1018)

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Bis-(2-ethylhexyl) phthalate (1.60 ppb) was detected in the Equipment Blank collected on 6/15/06. The Bis-(2-ethylhexyl) phthalate detected in the Equipment Blank was mitigated by the presence of Bis-(2-ethylhexyl) phthalate in the associated Method Blank.

# 5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits.

# 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

Sample SK-GW58-1018 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of 4-Nitrophenol associated with the MS. As per the National Functional Guidelines no action is taken on MS/MSD data alone.

### 7. INTERNAL STANDARDS PERFORMANCE

Internal standard (IS) areas and Retention Times (RT) were within the acceptance limits for the reported semivolatile samples.

### 8. COMPOUND IDENTIFICATION

All reported semivolatile constituents were correctly identified with supporting chromatograms present in the data package.

# 9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents.

#### 10. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data submitted for review.

#### 11. DOCUMENTATION

There was no extraction date or preparation method listed on Form I SV-TIC. The analytical method reported by the GCAL on the Form I SV-TIC was listed as SW-846 8270C when it should have been listed as OLM04.2. The data validator manually made the corrections.

### 12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

# DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061509 VOLATILE ORGANIC

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Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 206061509.

GCAL#	Sample Description
20606150901	SK-GW62A-1018
20606150902	SK-GW06R-1018
20606150903	SK-GW07R-1018
20606150904	SK-GW59-1018
20606150905	SK-GW64-1018
20606150906	SK-GW60-1018
20606150907	SK-GWTB-1018
20606150914	SK-GW61-1018
20606150915	SK-GW63-1018
20606150916	SK-GW63DUPE-1018
20606150917	SK-GW58-1018
20606150918	SK-GW58MS-1018
20606150919	SK-GW58MSD-1018
20606150921	SK-GWTB-1018
20606150922	SK-GWEB-1018

### INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Low Concentration OLC02.0 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The volatiles data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times

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- 2. GC/MS Tuning
- 3. Calibration
  - A. IC
  - B. CC
- 4. Blanks
- 5. System Monitoring Compound Recovery
- 6. MS/MSD
- 7. Laboratory Control Sample
- 8. Internal Standards Performance
- 9. Compound Identification
- 10. Constituent Quantitation and Reported Detection Limits
- 11. System Performance
- 12. Documentation
- 13. Overall Assessment

### 1. HOLDING TIMES

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All samples for Volatile Organic Compounds (VOC) analyses were analyzed within the 14-day technical holding time and the 10-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

# 2. GC/MS TUNING

The samples were analyzed one GC/MS system, identified as MSV0. Two bromofluorobenzene (BFB) tunes were run on MSV0. The BFB tunes are acceptable.

#### 3. CALIBRATION

#### A. Initial Calibration

One IC dated 6/20/06 was analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRF's as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds.

The RRF's and the average RRF for the IC were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone associated with the IC dated 6/20/06. The %RSD's were within the acceptance criteria specified in the method for all target compounds.

# B. Continuing Calibration

Two CCs dated 6/20/06 and 6/21/06 were analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions.

The percent difference (%D) between the average RRF's and the CC RF's for the CC dated 6/20/06 were within the acceptance criteria for all target compounds. The CC RRF's for the CC dated 6/20/06 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone.

The percent difference (%D) between the average RRF's and the CC RF's for the CC dated 6/21/06 were within the acceptance criteria for all target compounds with the exception of 1,2,4-Trichlorobenzene. The CC RRF's for the CC dated 6/21/06 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone.

As per the National Functional Guidelines, if the %D is outside the +/- 25% criteria then qualify positive results with "J" and non-detected results with "UJ".

If the CC RF is less than the acceptance criteria then qualify detected results with "J" and non-detected results with "R".

### 4. BLANKS

Two laboratory volatile method blanks, storage blank, Equipment Blank, and two Trip Blanks were analyzed with this SDG. The results are summarized below.

### MB382289

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There were no compounds detected above the Reporting Limit (RL) in the method blank analyzed on 6/20/06 (1402).

# MB382601

There were no compounds detected above the Reporting Limit (RL) in the method blank analyzed on 6/21/06 (1012).

### Storage Blank (VHBLK)

Methylene chloride (0.19 ppb) was detected in the Storage Blank analyzed on 6/21/06.

# Equipment Blank (SK-GWEB-1018)

Acetone (4.2 ppb) was detected in the Equipment Blank collected on 6/15/06.

# Trip Blank (SK-GWTB-1018)

Methylene chloride (0.16 ppb) was detected in the Trip Blank that were shipped on 6/14/06. The Methylene chloride detected in the Trip Blank was mitigated by the presence of Methylene chloride in the Storage Blank.

### Trip Blank (SK-GWTB-1018)

There were no compounds detected above the Reporting Limit (RL)in the Trip Blank that were shipped on 6/15/06.

#### 5. SYSTEM MONITORING COMPOUND RECOVERY

All reported volatile system monitoring compounds (SMC) were recovered within acceptable control limits (80%-120%).

# 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-GW58-1018 was submitted for the MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria. The RPD between the compounds were within the acceptance criteria.

# 7. LABORATORY CONTROL SAMPLE

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One Laboratory Control Sample was analyzed in conjunction with this SDG. Recoveries were within the control limit for all constituents.

### 8. INTERNAL STANDARDS PERFORMANCE

Internal Standard (IS) areas and retention times were within acceptable limits for the reported volatile sample analyses.

#### 9. COMPOUND IDENTIFICATION

All reported VOCs were correctly identified with supporting chromatograms present in the data package.

# 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

# 11. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

# 12. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

# 13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

# DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 206061509 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 206061509.

GCAL#	Sample Description
20606150901	SK-GW62A-1018
20606150902	SK-GW06R-1018
20606150903	SK-GW07R-1018
20606150904	SK-GW59-1018
20606150905	SK-GW64-1018
20606150906	SK-GW60-1018
20606150914	SK-GW61-1018
20606150915	SK-GW63-1018
20606150916	SK-GW63DUPE-1018
20606150917	SK-GW58-1018
20606150918	SK-GW58MS-1018
20606150919	SK-GW58MSD-1018
20606150922	SK-GWEB-1018
20606150928	SK-GW58DUP-1018
20606150930	SK-GW63DUPE-1018 (RE)

### INTRODUCTION

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Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. Various qualifier codes are used by the laboratory to denote specific information regarding the analytical results.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the pesticide data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. Gas Chromatograph/Electronic Capture Detector (GC/ECD) Instrument Performance Check
- 3. IC
- 4. Calibration Verification
- 5. Blanks
- 6. Surrogate Spikes
- 7. Matrix Spike/Matrix Spike Duplicate (MS/MSD)
- 8. Pesticide Cleanup Checks
- 9. Target Compound Identification
- 10. Constituent Quantitation and Reported Detection Limits
- 11. Documentation
- 12. Overall Assessment

### 1. HOLDING TIMES

The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. All samples were initially extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time. The surrogates for sample SK-GW63DUPE-1018 were not detected therefore the sample was reextracted. The sample was re-extracted outside the recommended holding times. As per the National Functional Guidelines, if the recommended holding is exceeded then qualify detected results for that sample with "J" and non-detected result with "UJ".

### 2. GC/ECD INSTRUMENT PERFORMANCE CHECK

The Performance Evaluation Mixture (PEM) was analyzed at the correct frequency. Absolute retention times were within limits. The percent resolution between adjacent peaks was within QC limits for the Pesticide Analyte Resolution Check. The percent resolution between adjacent peaks is within QC limits for the Performance Evaluation Mixtures (PEM).

The percent breakdown for both 4,4'-DDT and Endrin in each PEM was less than 20.0% for both GC columns. The combined percent breakdown for 4,4'-DDT and Endrin in each PEM was less than 30.0% for both GC columns.

### 3. INITIAL CALIBRATION

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Individual standard mixtures A and B were analyzed at the correct frequencies and concentrations. The percent resolution criterion for Individual standard mixtures A and B were within the acceptance criteria.

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20%. The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks.

### 4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ±25.0 percent for the calibration verifications with the exception of PEM03. As per the National Functional Guidelines, if the percent difference is greater than 25 percent for the compound(s) being quantified, qualify all detected results associated with that PEM with "J" and non-detects results with "UJ".

The percent difference for each of the pesticides and surrogates in the midpoint concentration of the Individual Standard Mixtures A and B was within the acceptance criteria of  $\pm 25.0$  percent.

#### 5. BLANKS

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Two laboratory method blanks and an Equipment blank were analyzed with this SDG. The results are summarized below.

### Method Blank 381333

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 6/16/06.

# Method Blank 383583

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 6/23/06.

# Equipment Blank SK-GWEB-1018

No constituents were detected above the laboratory-reporting limit in the Equipment Blank collected on 6/15/06.

### 6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples except as follows:

SK-GW07R-1018	DCB (29%)	
SK-GW59-1018	TCX (29%)	
SK-GW63DUPE-1018	TCX (0%)	DCB (0%)
SK-GW63DUPE-1018RE	TCX (0%)	DCB (0%)

As per the National Functional Guidelines, if recoveries are between 10 and 30 percent qualify results greater than the detection limit with "J" and non-detected results with "UJ". If the surrogate is not present and is not do to being diluted out qualify detected results with "J" and non-detected results with "R".

#### 7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-GW58-1018 was submitted for MS/MSD analysis. All of the percent recoveries associated with the MS were outside of the acceptance criteria and Lindane was outside the acceptance in the MSD. All of the RPD's between the MS/MSD were outside of the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD data alone.

### 8. PESTICIDE CLEANUP CHECKS

Recoveries of all pesticides and surrogates were within 80-120% for the lot of Florisil cartridges utilized for pesticide cleanup.

# 9. TARGET COMPOUND IDENTIFICATION

All reported pesticide data were correctly identified with supporting chromatograms present in the data package.

# 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported.

# 11. DOCUMENTATION

The date extracted was not reported on the pesticide method blank summary (Form IV Pest). GCAL did not qualify the results with a "P" that were confirmed by a second column and that had a percent difference of greater than 25% between the two results. The data validator manually made the corrections.

### 12. OVERALL ASSESSMENT

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The results are acceptable as qualified by the data validator.

# **REFERENCES**

US EPA, 1994. National Functional Guidelines for Inorganic Data Review.

US EPA, 1999. National Functional Guidelines for Organic Data Review.

# **DATA VALIDATION REPORT**

# **FOR**

# SKINNER LANDFILL SITE

**EARTH TECH: PROJECT NUMBER 54280** 

**LABORATORY REPORT NUMBER 206061509** 

PROJECT MANAGER: Ron Rolker

Date: August 22, 2006

Data Validator: Mark Kromis

### LIST OF ACRONYMS

BFB Bromofluorobenzene CC Continuing Calibration

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CCV Continuing Calibration Verification
CCB Continuing Calibration Blanks
CLP Contract Laboratory Program
CRDL Contract Required Detection Limit
DFTPP Decafluorotriphenylphosphine

GC/MS Gas Chromatograph/Mass Spectrometer

IC Initial Calibration

ICB Initial Calibration Blank
IDL Instrument Detection Limit
ICP Inductively Coupled Plasma
ICS Interference Check Sample
ICV Initial Calibration Verification

ILM Inorganic Analysis Multi-Media Multi-Concentration

INDAM Individual A Mixture INDBM Individual B Mixture mg/L milligrams per liter

MS/MSD Matrix Spike/Matrix Spike Duplicate
OLC Organic Analysis Low Concentration

OLM Organic Analysis Multi-Media Multi-Concentration

%D Percent Difference

% RSD Percent Relative Standard Deviation

PB Preparation Blanks
QC Quality Control
RF Response Factor

RPD Relative Percent Difference
RRF Relative Response Factor
SDG Sample Delivery Group
SOW Statement of Work

µg/L micrograms per liter

US EPA United States Environmental Protection Agency

VOC Volatile Organic Compounds VTSR Validated Time of Sample Receipt

# DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061509 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 206061509.

GCAL#	Sample Description
20606150901	SK-GW62A-1018
20606150902	SK-GW06R-1018
20606150903	SK-GW07R-1018
20606150904	SK-GW59-1018
20606150905	SK-GW64-1018
20606150906	SK-GW60-1018
20606150909	SK-GW62A-1018 (DISS)
20606150910	SK-GW06R-1018 (DISS)
20606150911	SK-GW07R-1018 (DISS)
20606150912	SK-GW59-1018 (DISS)
20606150913	SK-GW64-1018 (DISS)
20606150914	SK-GW61-1018
20606150915	SK-GW63-1018
20606150916	SK-GW63DUPE-1018
20606150917	SK-GW58-1018
20606150918	SK-GW58MS-1018
20606150920	SK-GW58DUP-1018
20606150922	SK-GWEB-1018
20606150923	SK-GW61-1018 (DISS)
20606150924	SK-GW63-1018 (DISS)
20606150925	SK-GW63DUPE-1018 (DISS)
20606150926	SK-GW58-1018 (DISS)
20606150927	SK-GW58MS-1018 (DISS)
20606150928	SK-GW58DUP-1018 (DISS)
20606150929	SK-GWEB-1018 (DISS)

### INTRODUCTION

Analyses of metals were performed according to Contract Laboratory Program (CLP)-Inorganic Analysis Multi-media Multi-concentration ILM04.1 Statement of Work (SOW). Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values maybe used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the inorganics data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. Calibration

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- A. Initial Calibration (IC)
- B. Continuing Calibration (CC)
- 3. Blanks
- 4. Inductively Coupled Plasma (ICP) Interference Check Sample
- 5. Laboratory Control Sample (LCS)
- 6. Duplicate Analysis
- 7. Spike Sample Analysis

- 8. ICP Serial Dilution
- 9. System Performance
- 10. Documentation
- 11. Overall Assessment

### 1. HOLDING TIMES

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All samples for inorganics analyses were analyzed within the 180-day holding time for preserved aqueous samples. Mercury analyses were conducted within the 28-day holding time for aqueous samples undergoing CLP protocol. Cyanide analyses were conducted within the 14-day holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

### 2. CALIBRATION

#### A. Initial Calibration

The percent recoveries for the Initial Calibration Verification (ICV) standard were within Quality Control (QC) limits for all constituents.

# B. Continuing Calibration

The percent recoveries for the Continuing Calibration Verification (CCV) standard were within QC limits for all constituents.

### 3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB blanks above the corresponding Contract Required Detection Limit (CRDL).

#### 4. ICP INTERFERENCE CHECK SAMPLE

Results for the ICP analysis of the Interference Check Sample (ICS) solution AB were within 20% of the true value.

### 5. LABORATORY CONTROL SAMPLES

Recoveries were within the control limit (80-120%) for all constituents.

### 6. DUPLICATE ANALYSIS

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The laboratory used samples SK-GW58-1018 (total and dissolved fractions) for the duplicate samples. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes.

# 7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SK-GW58-1018 (total and dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Thallium (72%) in the total fraction and Selenium (70%) in the dissolved fraction.

As per the National Functional Guidelines, if the percent recovery is greater than 30% but less than 75% qualify results greater than the IDL with "J" and non-detected results with "UJ".

### 8. ICP SERIAL DILUTION

As noted in the National Functional Guidelines: If the analyte concentration is at least 50 times above the IDL, its serial dilution analysis must then agree within 10% of the original determination after corrected for dilution. The serial dilution is performed to determine whether any significant chemical or physical interference's exist due to matrix effects. The serial dilution percent differences were within the acceptance criteria for all target analytes with the exception of Aluminum, Chromium, Potassium, and Zinc associated with the total fraction. As per the National Functional Guidelines, if the serial dilution %D exceeds the acceptance criteria then qualify results associated with that analyte as estimated with a "J".

### 9. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

### 10. DOCUMENTATION

GCAL qualified the results from the dissolved fraction for Aluminum, Chromium, Potassium, and Zinc with an "E" for being outside of the acceptance criteria for the serial dilution analysis. The percent difference between the sample results and serial dilution results associated with the dissolved fractions were within the acceptance criteria and therefore the results should not have been qualified with an "E" qualifier. GCAL qualified the results from the dissolved fraction for Thallium with an "N" for being outside of the acceptance criteria for the MS recovery. The percent recovery for Thallium associated with the MS was within the acceptance criteria and therefore the results should not have been qualified with an "N" qualifier. The MS recovery for Selenium associated with the dissolved fraction was outside of the acceptance criteria and therefore the results associated with the dissolved fraction should have been qualified with an "N" qualifier. The data validator made the corrections manually.

# 11. OVERALL ASSESSMENT

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The percent recoveries for Silver in the Contract Required Detection Limit (CRDL) standards analyzed on 6/23/06 were 79, 81%, 82%, 82%, and 81%. As per the National Functional Guidelines, if the CRDL is below 80% then detected results are qualified as estimated with "J" and non-detected results with "UJ". The results are acceptable with the validator-added qualifiers.

# DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061509 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999) as appropriate. The results were reported by GCAL under SDG 206061509.

GCAL#	Sample Description
20606150901	SK-GW62A-1018
20606150902	SK-GW06R-1018
20606150903	SK-GW07R-1018
20606150904	SK-GW59-1018
20606150905	SK-GW64-1018
20606150906	SK-GW60-1018
20606150914	SK-GW61-1018
20606150915	SK-GW63-1018
20606150916	SK-GW63DUPE-1018
20606150917	SK-GW58-1018
20606150918	SK-GW58MS-1018
20606150919	SK-GW58MSD-1018
20606150922	SK-GWEB-1018

# INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various data qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the semivolatile data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times

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- 2. GC/MS Tuning
- 3. Calibration
  - A. IC
  - B. CC
- 4. Blanks
- 5. System Monitoring Compound Recovery
- 6. MS/MSD
- 7. Internal Standards Performance
- 8. Compound Identification
- 9. Constituent Quantitation and Reported Detection Limits
- 10. System Performance
- 11. Documentation
- 12. Overall Assessment

### 1. HOLDING TIMES

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The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. All samples were extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time.

# 2. GC/MS TUNING

The samples were analyzed on a single GC/MS system, identified as MSSV3. Two decafluorotriphenylphosphine (DFTPP) tunes were run representing the shift in which the standards and samples were analyzed. The DFTPP tunes are acceptable.

### 3. CALIBRATION

### A. Initial Calibration

One IC dated 6/21/06 was analyzed in support of the semivolatile sample analyses. Documentation of the IC was present in the data package, and the Relative Response Factor (RRF), as well as percent % RSD values were accurately reported for all target compounds. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all semi-volatile compounds. The RRF's and the average RRF for the IC's were within the acceptance criteria specified in the method for all target compounds.

# B. Continuing Calibration

Two CC's dated 6/21/06 and 6/22/06 were analyzed in support of the semivolatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRF's and the CC Response Factors for the CC's were within the acceptance criteria for the CC dated 6/21/06. The %D for 4-Chloroaniline, 3-Nitroaniline, and 4-Nitroaniline associated with the CC dated 6/22/06 exceeded the acceptance criteria. The RRF for the CC's were within the acceptance criteria specified in the method for all target compounds. As per the National Functional Guidelines, if the %D is outside the +/- 25% criteria then qualify positive results with "J" and non-detected results with "UJ".

### 4. BLANKS

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One laboratory semivolatile method blank and an Equipment Blank were analyzed with this SDG. The results are summarized below.

# Method Blank (MB381314)

Bis-(2-ethylhexyl) phthalate (0.953 ppb) was detected in the blank extracted on 6/16/06.

# Equipment Blank (SK-GWEB -1018)

Bis-(2-ethylhexyl) phthalate (1.60 ppb) was detected in the Equipment Blank collected on 6/15/06. The Bis-(2-ethylhexyl) phthalate detected in the Equipment Blank was mitigated by the presence of Bis-(2-ethylhexyl) phthalate in the associated Method Blank.

#### 5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits.

# 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

Sample SK-GW58-1018 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of 4-Nitrophenol associated with the MS. As per the National Functional Guidelines no action is taken on MS/MSD data alone.

# 7. INTERNAL STANDARDS PERFORMANCE

Internal standard (IS) areas and Retention Times (RT) were within the acceptance limits for the reported semivolatile samples.

#### 8. COMPOUND IDENTIFICATION

All reported semivolatile constituents were correctly identified with supporting chromatograms present in the data package.

# 9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents.

# 10. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data submitted for review.

#### 11. DOCUMENTATION

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There was no extraction date or preparation method listed on Form I SV-TIC. The analytical method reported by the GCAL on the Form I SV-TIC was listed as SW-846 8270C when it should have been listed as OLM04.2. The data validator manually made the corrections.

# 12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

# DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061509 VOLATILE ORGANIC

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Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 206061509.

GCAL#	Sample Description
20606150901	SK-GW62A-1018
20606150902	SK-GW06R-1018
20606150903	SK-GW07R-1018
20606150904	SK-GW59-1018
20606150905	SK-GW64-1018
20606150906	SK-GW60-1018
20606150907	SK-GWTB-1018
20606150914	SK-GW61-1018
20606150915	SK-GW63-1018
20606150916	SK-GW63DUPE-1018
20606150917	SK-GW58-1018
20606150918	SK-GW58MS-1018
20606150919	SK-GW58MSD-1018
20606150921	SK-GWTB-1018
20606150922	SK-GWEB-1018

### INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Low Concentration OLC02.0 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The volatiles data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. GC/MS Tuning
- 3. Calibration
  - A. IC
  - B. CC
- 4. Blanks

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- 5. System Monitoring Compound Recovery
- 6. MS/MSD
- 7. Laboratory Control Sample
- 8. Internal Standards Performance
- 9. Compound Identification
- 10. Constituent Quantitation and Reported Detection Limits
- 11. System Performance
- 12. Documentation
- 13. Overall Assessment

#### 1. HOLDING TIMES

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All samples for Volatile Organic Compounds (VOC) analyses were analyzed within the 14-day technical holding time and the 10-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

#### 2. GC/MS TUNING

The samples were analyzed one GC/MS system, identified as MSV0. Two bromofluorobenzene (BFB) tunes were run on MSV0. The BFB tunes are acceptable.

## 3. CALIBRATION

#### A. Initial Calibration

One IC dated 6/20/06 was analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRF's as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds.

The RRF's and the average RRF for the IC were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone associated with the IC dated 6/20/06. The %RSD's were within the acceptance criteria specified in the method for all target compounds.

# B. Continuing Calibration

Two CCs dated 6/20/06 and 6/21/06 were analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions.

The percent difference (%D) between the average RRF's and the CC RF's for the CC dated 6/20/06 were within the acceptance criteria for all target compounds. The CC RRF's for the CC dated 6/20/06 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone.

The percent difference (%D) between the average RRF's and the CC RF's for the CC dated 6/21/06 were within the acceptance criteria for all target compounds with the exception of 1,2,4-Trichlorobenzene. The CC RRF's for the CC dated 6/21/06 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone.

As per the National Functional Guidelines, if the %D is outside the +/- 25% criteria then qualify positive results with "J" and non-detected results with "UJ".

If the CC RF is less than the acceptance criteria then qualify detected results with "J" and non-detected results with "R".

#### 4. BLANKS

Two laboratory volatile method blanks, storage blank, Equipment Blank, and two Trip Blanks were analyzed with this SDG. The results are summarized below.

## MB382289

There were no compounds detected above the Reporting Limit (RL) in the method blank analyzed on 6/20/06 (1402).

# MB382601

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There were no compounds detected above the Reporting Limit (RL) in the method blank analyzed on 6/21/06 (1012).

# Storage Blank (VHBLK)

Methylene chloride (0.19 ppb) was detected in the Storage Blank analyzed on 6/21/06.

# Equipment Blank (SK-GWEB-1018)

Acetone (4.2 ppb) was detected in the Equipment Blank collected on 6/15/06.

## Trip Blank (SK-GWTB-1018)

Methylene chloride (0.16 ppb) was detected in the Trip Blank that were shipped on 6/14/06. The Methylene chloride detected in the Trip Blank was mitigated by the presence of Methylene chloride in the Storage Blank.

# Trip Blank (SK-GWTB-1018)

There were no compounds detected above the Reporting Limit (RL)in the Trip Blank that were shipped on 6/15/06.

## 5. SYSTEM MONITORING COMPOUND RECOVERY

All reported volatile system monitoring compounds (SMC) were recovered within acceptable control limits (80%-120%).

## 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-GW58-1018 was submitted for the MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria. The RPD between the compounds were within the acceptance criteria.

## 7. LABORATORY CONTROL SAMPLE

One Laboratory Control Sample was analyzed in conjunction with this SDG. Recoveries were within the control limit for all constituents.

## 8. INTERNAL STANDARDS PERFORMANCE

Internal Standard (IS) areas and retention times were within acceptable limits for the reported volatile sample analyses.

## 9. COMPOUND IDENTIFICATION

All reported VOCs were correctly identified with supporting chromatograms present in the data package.

# 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

## 11. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

#### 12. DOCUMENTATION

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The documentation submitted for review appeared accurate and in order.

## 13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

# DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 206061509 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 206061509.

GCAL #	Sample Description
20606150901	SK-GW62A-1018
20606150902	SK-GW06R-1018
20606150903	SK-GW07R-1018
20606150904	SK-GW59-1018
20606150905	SK-GW64-1018
20606150906	SK-GW60-1018
20606150914	SK-GW61-1018
20606150915	SK-GW63-1018
20606150916	SK-GW63DUPE-1018
20606150917	SK-GW58-1018
20606150918	SK-GW58MS-1018
20606150919	SK-GW58MSD-1018
20606150922	SK-GWEB-1018
20606150928	SK-GW58DUP-1018
20606150930	SK-GW63DUPE-1018 (RE)

## INTRODUCTION

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Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. Various qualifier codes are used by the laboratory to denote specific information regarding the analytical results.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the pesticide data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. Gas Chromatograph/Electronic Capture Detector (GC/ECD) Instrument Performance Check
- 3. IC

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- 4. Calibration Verification
- 5. Blanks
- 6. Surrogate Spikes
- 7. Matrix Spike/Matrix Spike Duplicate (MS/MSD)
- 8. Pesticide Cleanup Checks
- 9. Target Compound Identification
- 10. Constituent Quantitation and Reported Detection Limits
- 11. Documentation
- 12. Overall Assessment

#### 1. HOLDING TIMES

The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. All samples were initially extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time. The surrogates for sample SK-GW63DUPE-1018 were not detected therefore the sample was reextracted. The sample was re-extracted outside the recommended holding times. As per the National Functional Guidelines, if the recommended holding is exceeded then qualify detected results for that sample with "J" and non-detected result with "UJ".

## 2. GC/ECD INSTRUMENT PERFORMANCE CHECK

The Performance Evaluation Mixture (PEM) was analyzed at the correct frequency. Absolute retention times were within limits. The percent resolution between adjacent peaks was within QC limits for the Pesticide Analyte Resolution Check. The percent resolution between adjacent peaks is within QC limits for the Performance Evaluation Mixtures (PEM).

The percent breakdown for both 4,4'-DDT and Endrin in each PEM was less than 20.0% for both GC columns. The combined percent breakdown for 4,4'-DDT and Endrin in each PEM was less than 30.0% for both GC columns.

## 3. INITIAL CALIBRATION

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Individual standard mixtures A and B were analyzed at the correct frequencies and concentrations. The percent resolution criterion for Individual standard mixtures A and B were within the acceptance criteria.

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20%. The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks.

# 4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ±25.0 percent for the calibration verifications with the exception of PEM03. As per the National Functional Guidelines, if the percent difference is greater than 25 percent for the compound(s) being quantified, qualify all detected results associated with that PEM with "J" and non-detects results with "UJ".

The percent difference for each of the pesticides and surrogates in the midpoint concentration of the Individual Standard Mixtures A and B was within the acceptance criteria of  $\pm 25.0$  percent.

# 5. BLANKS

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Two laboratory method blanks and an Equipment blank were analyzed with this SDG. The results are summarized below.

## Method Blank 381333

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 6/16/06.

# Method Blank 383583

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 6/23/06.

# Equipment Blank SK-GWEB-1018

No constituents were detected above the laboratory-reporting limit in the Equipment Blank collected on 6/15/06.

#### 6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples except as follows:

SK-GW07R-1018	DCB (29%)	
SK-GW59-1018	TCX (29%)	
SK-GW63DUPE-1018	TCX (0%)	DCB (0%)
SK-GW63DUPE-1018RE	TCX (0%)	DCB (0%)

As per the National Functional Guidelines, if recoveries are between 10 and 30 percent qualify results greater than the detection limit with "J" and non-detected results with "UJ". If the surrogate is not present and is not do to being diluted out qualify detected results with "J" and non-detected results with "R".

## 7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-GW58-1018 was submitted for MS/MSD analysis. All of the percent recoveries associated with the MS were outside of the acceptance criteria and Lindane was outside the acceptance in the MSD. All of the RPD's between the MS/MSD were outside of the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD data alone.

## 8. PESTICIDE CLEANUP CHECKS

Recoveries of all pesticides and surrogates were within 80-120% for the lot of Florisil cartridges utilized for pesticide cleanup.

# 9. TARGET COMPOUND IDENTIFICATION

All reported pesticide data were correctly identified with supporting chromatograms present in the data package.

# 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported.

## 11. DOCUMENTATION

The date extracted was not reported on the pesticide method blank summary (Form IV Pest). GCAL did not qualify the results with a "P" that were confirmed by a second column and that had a percent difference of greater than 25% between the two results. The data validator manually made the corrections.

# 12. OVERALL ASSESSMENT

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The results are acceptable as qualified by the data validator.

# REFERENCES

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US EPA, 1994. National Functional Guidelines for Inorganic Data Review.

US EPA, 1999. National Functional Guidelines for Organic Data Review.

# **DATA VALIDATION REPORT**

# **FOR**

# SKINNER LANDFILL SITE

**EARTH TECH: PROJECT NUMBER 54280** 

**LABORATORY REPORT NUMBER 206061509** 

PROJECT MANAGER: Ron Rolker

Date: August 22, 2006

**Data Validator: Mark Kromis** 

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## LIST OF ACRONYMS

**BFB** Bromofluorobenzene CC Continuing Calibration **CCV** Continuing Calibration Verification Continuing Calibration Blanks **CCB** Contract Laboratory Program CLP Contract Required Detection Limit CRDL **DFTPP** Decafluorotriphenylphosphine Gas Chromatograph/Mass Spectrometer GC/MS Initial Calibration IC Initial Calibration Blank **ICB** IDL Instrument Detection Limit Inductively Coupled Plasma ICP **ICS** Interference Check Sample **ICV** Initial Calibration Verification ILM Inorganic Analysis Multi-Media Multi-Concentration INDAM Individual A Mixture **INDBM** Individual B Mixture mg/L milligrams per liter Matrix Spike/Matrix Spike Duplicate MS/MSD **OLC** Organic Analysis Low Concentration **OLM** Organic Analysis Multi-Media Multi-Concentration %D Percent Difference % RSD Percent Relative Standard Deviation PB Preparation Blanks **Quality Control** OC RF Response Factor Relative Percent Difference **RPD RRF** Relative Response Factor SDG Sample Delivery Group

**VTSR** Validated Time of Sample Receipt

Statement of Work

micrograms per liter

United States Environmental Protection Agency

"Siche 184 P

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Name of P

SOW

μg/L

US EPA

# DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061509 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 206061509.

GCAL#	Sample Description
20606150901	SK-GW62A-1018
20606150902	SK-GW06R-1018
20606150903	SK-GW07R-1018
20606150904	SK-GW59-1018
20606150905	SK-GW64-1018
20606150906	SK-GW60-1018
20606150909	SK-GW62A-1018 (DISS)
20606150910	SK-GW06R-1018 (DISS)
20606150911	SK-GW07R-1018 (DISS)
20606150912	SK-GW59-1018 (DISS)
20606150913	SK-GW64-1018 (DISS)
20606150914	SK-GW61-1018
20606150915	SK-GW63-1018
20606150916	SK-GW63DUPE-1018
20606150917	SK-GW58-1018
20606150918	SK-GW58MS-1018
20606150920	SK-GW58DUP-1018
20606150922	SK-GWEB-1018
20606150923	SK-GW61-1018 (DISS)
20606150924	SK-GW63-1018 (DISS)
20606150925	SK-GW63DUPE-1018 (DISS)
20606150926	SK-GW58-1018 (DISS)
20606150927	SK-GW58MS-1018 (DISS)
20606150928	SK-GW58DUP-1018 (DISS)
20606150929	SK-GWEB-1018 (DISS)

## INTRODUCTION

Analyses of metals were performed according to Contract Laboratory Program (CLP)-Inorganic Analysis Multi-media Multi-concentration ILM04.1 Statement of Work (SOW). Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values maybe used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the inorganics data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. Calibration
  - A. Initial Calibration (IC)
  - B. Continuing Calibration (CC)
- 3. Blanks
- 4. Inductively Coupled Plasma (ICP) Interference Check Sample
- 5. Laboratory Control Sample (LCS)
- 6. Duplicate Analysis
- 7. Spike Sample Analysis

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- 8. ICP Serial Dilution
- 9. System Performance
- 10. Documentation
- 11. Overall Assessment

#### 1. HOLDING TIMES

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All samples for inorganics analyses were analyzed within the 180-day holding time for preserved aqueous samples. Mercury analyses were conducted within the 28-day holding time for aqueous samples undergoing CLP protocol. Cyanide analyses were conducted within the 14-day holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

## 2. CALIBRATION

#### A. Initial Calibration

The percent recoveries for the Initial Calibration Verification (ICV) standard were within Quality Control (QC) limits for all constituents.

# B. Continuing Calibration

The percent recoveries for the Continuing Calibration Verification (CCV) standard were within QC limits for all constituents.

## 3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB blanks above the corresponding Contract Required Detection Limit (CRDL).

#### 4. ICP INTERFERENCE CHECK SAMPLE

Results for the ICP analysis of the Interference Check Sample (ICS) solution AB were within 20% of the true value.

## 5. LABORATORY CONTROL SAMPLES

Recoveries were within the control limit (80-120%) for all constituents.

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## 6. **DUPLICATE ANALYSIS**

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The laboratory used samples SK-GW58-1018 (total and dissolved fractions) for the duplicate samples. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes.

## 7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SK-GW58-1018 (total and dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Thallium (72%) in the total fraction and Selenium (70%) in the dissolved fraction.

As per the National Functional Guidelines, if the percent recovery is greater than 30% but less than 75% qualify results greater than the IDL with "J" and non-detected results with "UJ".

#### 8. ICP SERIAL DILUTION

As noted in the National Functional Guidelines: If the analyte concentration is at least 50 times above the IDL, its serial dilution analysis must then agree within 10% of the original determination after corrected for dilution. The serial dilution is performed to determine whether any significant chemical or physical interference's exist due to matrix effects. The serial dilution percent differences were within the acceptance criteria for all target analytes with the exception of Aluminum, Chromium, Potassium, and Zinc associated with the total fraction. As per the National Functional Guidelines, if the serial dilution %D exceeds the acceptance criteria then qualify results associated with that analyte as estimated with a "J".

#### 9. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

## 10. DOCUMENTATION

GCAL qualified the results from the dissolved fraction for Aluminum, Chromium, Potassium, and Zinc with an "E" for being outside of the acceptance criteria for the serial dilution analysis. The percent difference between the sample results and serial dilution results associated with the dissolved fractions were within the acceptance criteria and therefore the results should not have been qualified with an "E" qualifier. GCAL qualified the results from the dissolved fraction for Thallium with an "N" for being outside of the acceptance criteria for the MS recovery. The percent recovery for Thallium associated with the MS was within the acceptance criteria and therefore the results should not have been qualified with an "N" qualifier. The MS recovery for Selenium associated with the dissolved fraction was outside of the acceptance criteria and therefore the results associated with the dissolved fraction should have been qualified with an "N" qualifier. The data validator made the corrections manually.

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# 11. OVERALL ASSESSMENT

The percent recoveries for Silver in the Contract Required Detection Limit (CRDL) standards analyzed on 6/23/06 were 79, 81%, 82%, 82%, and 81%. As per the National Functional Guidelines, if the CRDL is below 80% then detected results are qualified as estimated with "J" and non-detected results with "UJ". The results are acceptable with the validator-added qualifiers.

# DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061509 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999) as appropriate. The results were reported by GCAL under SDG 206061509.

GCAL#	Sample Description
20606150901	SK-GW62A-1018
20606150902	SK-GW06R-1018
20606150903	SK-GW07R-1018
20606150904	SK-GW59-1018
20606150905	SK-GW64-1018
20606150906	SK-GW60-1018
20606150914	SK-GW61-1018
20606150915	SK-GW63-1018
20606150916	SK-GW63DUPE-1018
20606150917	SK-GW58-1018
20606150918	SK-GW58MS-1018
20606150919	SK-GW58MSD-1018
20606150922	SK-GWEB-1018

## INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various data qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the semivolatile data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. GC/MS Tuning
- 3. Calibration
  - A. IC
  - B. CC
- 4. Blanks

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- 5. System Monitoring Compound Recovery
- 6. MS/MSD
- 7. Internal Standards Performance
- 8. Compound Identification
- 9. Constituent Quantitation and Reported Detection Limits
- 10. System Performance
- 11. Documentation
- 12. Overall Assessment

## 1. HOLDING TIMES

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The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. All samples were extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time.

## 2. GC/MS TUNING

The samples were analyzed on a single GC/MS system, identified as MSSV3. Two decafluorotriphenylphosphine (DFTPP) tunes were run representing the shift in which the standards and samples were analyzed. The DFTPP tunes are acceptable.

## 3. CALIBRATION

#### A. Initial Calibration

One IC dated 6/21/06 was analyzed in support of the semivolatile sample analyses. Documentation of the IC was present in the data package, and the Relative Response Factor (RRF), as well as percent % RSD values were accurately reported for all target compounds. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all semi-volatile compounds. The RRF's and the average RRF for the IC's were within the acceptance criteria specified in the method for all target compounds.

# B. Continuing Calibration

Two CC's dated 6/21/06 and 6/22/06 were analyzed in support of the semivolatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRF's and the CC Response Factors for the CC's were within the acceptance criteria for the CC dated 6/21/06. The %D for 4-Chloroaniline, 3-Nitroaniline, and 4-Nitroaniline associated with the CC dated 6/22/06 exceeded the acceptance criteria. The RRF for the CC's were within the acceptance criteria specified in the method for all target compounds. As per the National Functional Guidelines, if the %D is outside the +/- 25% criteria then qualify positive results with "J" and non-detected results with "UJ".

## 4. BLANKS

One laboratory semivolatile method blank and an Equipment Blank were analyzed with this SDG. The results are summarized below.

## Method Blank (MB381314)

Bis-(2-ethylhexyl) phthalate (0.953 ppb) was detected in the blank extracted on 6/16/06.

## Equipment Blank (SK-GWEB -1018)

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Bis-(2-ethylhexyl) phthalate (1.60 ppb) was detected in the Equipment Blank collected on 6/15/06. The Bis-(2-ethylhexyl) phthalate detected in the Equipment Blank was mitigated by the presence of Bis-(2-ethylhexyl) phthalate in the associated Method Blank.

## 5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits.

# 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

Sample SK-GW58-1018 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of 4-Nitrophenol associated with the MS. As per the National Functional Guidelines no action is taken on MS/MSD data alone.

## 7. INTERNAL STANDARDS PERFORMANCE

Internal standard (IS) areas and Retention Times (RT) were within the acceptance limits for the reported semivolatile samples.

# 8. COMPOUND IDENTIFICATION

All reported semivolatile constituents were correctly identified with supporting chromatograms present in the data package.

# 9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents.

## 10. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data submitted for review.

## 11. **DOCUMENTATION**

There was no extraction date or preparation method listed on Form I SV-TIC. The analytical method reported by the GCAL on the Form I SV-TIC was listed as SW-846 8270C when it should have been listed as OLM04.2. The data validator manually made the corrections.

## 12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

# DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206061509 VOLATILE ORGANIC

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 206061509.

GCAL#	Sample Description
20606150901	SK-GW62A-1018
20606150902	SK-GW06R-1018
20606150903	SK-GW07R-1018
20606150904	SK-GW59-1018
20606150905	SK-GW64-1018
20606150906	SK-GW60-1018
20606150907	SK-GWTB-1018
20606150914	SK-GW61-1018
20606150915	SK-GW63-1018
20606150916	SK-GW63DUPE-1018
20606150917	SK-GW58-1018
20606150918	SK-GW58MS-1018
20606150919	SK-GW58MSD-1018
20606150921	SK-GWTB-1018
20606150922	SK-GWEB-1018

#### INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Low Concentration OLC02.0 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

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- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The volatiles data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. GC/MS Tuning
- 3. Calibration
  - A. IC
  - B. CC
- 4. Blanks

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- 5. System Monitoring Compound Recovery
- 6. MS/MSD
- 7. Laboratory Control Sample
- 8. Internal Standards Performance
- 9. Compound Identification
- 10. Constituent Quantitation and Reported Detection Limits
- 11. System Performance
- 12. Documentation
- 13. Overall Assessment

## 1. HOLDING TIMES

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All samples for Volatile Organic Compounds (VOC) analyses were analyzed within the 14-day technical holding time and the 10-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

#### 2. GC/MS TUNING

The samples were analyzed one GC/MS system, identified as MSV0. Two bromofluorobenzene (BFB) tunes were run on MSV0. The BFB tunes are acceptable.

## 3. CALIBRATION

#### A. Initial Calibration

One IC dated 6/20/06 was analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRF's as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds.

The RRF's and the average RRF for the IC were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone associated with the IC dated 6/20/06. The %RSD's were within the acceptance criteria specified in the method for all target compounds.

# B. Continuing Calibration

Two CCs dated 6/20/06 and 6/21/06 were analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions.

The percent difference (%D) between the average RRF's and the CC RF's for the CC dated 6/20/06 were within the acceptance criteria for all target compounds. The CC RRF's for the CC dated 6/20/06 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone.

The percent difference (%D) between the average RRF's and the CC RF's for the CC dated 6/21/06 were within the acceptance criteria for all target compounds with the exception of 1,2,4-Trichlorobenzene. The CC RRF's for the CC dated 6/21/06 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone.

As per the National Functional Guidelines, if the %D is outside the +/- 25% criteria then qualify positive results with "J" and non-detected results with "UJ".

If the CC RF is less than the acceptance criteria then qualify detected results with "J" and non-detected results with "R".

#### 4. BLANKS

Two laboratory volatile method blanks, storage blank, Equipment Blank, and two Trip Blanks were analyzed with this SDG. The results are summarized below.

#### MB382289

There were no compounds detected above the Reporting Limit (RL) in the method blank analyzed on 6/20/06 (1402).

## MB382601

There were no compounds detected above the Reporting Limit (RL) in the method blank analyzed on 6/21/06 (1012).

## Storage Blank (VHBLK)

Methylene chloride (0.19 ppb) was detected in the Storage Blank analyzed on 6/21/06.

## Equipment Blank (SK-GWEB-1018)

Acetone (4.2 ppb) was detected in the Equipment Blank collected on 6/15/06.

# Trip Blank (SK-GWTB-1018)

Methylene chloride (0.16 ppb) was detected in the Trip Blank that were shipped on 6/14/06. The Methylene chloride detected in the Trip Blank was mitigated by the presence of Methylene chloride in the Storage Blank.

# Trip Blank (SK-GWTB-1018)

There were no compounds detected above the Reporting Limit (RL)in the Trip Blank that were shipped on 6/15/06.

#### 5. SYSTEM MONITORING COMPOUND RECOVERY

All reported volatile system monitoring compounds (SMC) were recovered within acceptable control limits (80%-120%).

## 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-GW58-1018 was submitted for the MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria. The RPD between the compounds were within the acceptance criteria.

#### 7. LABORATORY CONTROL SAMPLE

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One Laboratory Control Sample was analyzed in conjunction with this SDG. Recoveries were within the control limit for all constituents.

#### 8. INTERNAL STANDARDS PERFORMANCE

Internal Standard (IS) areas and retention times were within acceptable limits for the reported volatile sample analyses.

#### 9. COMPOUND IDENTIFICATION

All reported VOCs were correctly identified with supporting chromatograms present in the data package.

# 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

# 11. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

#### 12. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

## 13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

# DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 206061509 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2006, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 206061509.

GCAL #	Sample Description
20606150901	SK-GW62A-1018
20606150902	SK-GW06R-1018
20606150903	SK-GW07R-1018
20606150904	SK-GW59-1018
20606150905	SK-GW64-1018
20606150906	SK-GW60-1018
20606150914	SK-GW61-1018
20606150915	SK-GW63-1018
20606150916	SK-GW63DUPE-1018
20606150917	SK-GW58-1018
20606150918	SK-GW58MS-1018
20606150919	SK-GW58MSD-1018
20606150922	SK-GWEB-1018
20606150928	SK-GW58DUP-1018
20606150930	SK-GW63DUPE-1018 (RE)

#### INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. Various qualifier codes are used by the laboratory to denote specific information regarding the analytical results.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the pesticide data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times
- 2. Gas Chromatograph/Electronic Capture Detector (GC/ECD) Instrument Performance Check
- 3. IC

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- 4. Calibration Verification
- 5. Blanks
- 6. Surrogate Spikes
- 7. Matrix Spike/Matrix Spike Duplicate (MS/MSD)
- 8. Pesticide Cleanup Checks
- 9. Target Compound Identification
- 10. Constituent Quantitation and Reported Detection Limits
- 11. Documentation
- 12. Overall Assessment

#### 1. HOLDING TIMES

The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. All samples were initially extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time. The surrogates for sample SK-GW63DUPE-1018 were not detected therefore the sample was reextracted. The sample was re-extracted outside the recommended holding times. As per the National Functional Guidelines, if the recommended holding is exceeded then qualify detected results for that sample with "J" and non-detected result with "UJ".

## 2. GC/ECD INSTRUMENT PERFORMANCE CHECK

The Performance Evaluation Mixture (PEM) was analyzed at the correct frequency. Absolute retention times were within limits. The percent resolution between adjacent peaks was within QC limits for the Pesticide Analyte Resolution Check. The percent resolution between adjacent peaks is within QC limits for the Performance Evaluation Mixtures (PEM).

The percent breakdown for both 4,4'-DDT and Endrin in each PEM was less than 20.0% for both GC columns. The combined percent breakdown for 4,4'-DDT and Endrin in each PEM was less than 30.0% for both GC columns.

#### 3. INITIAL CALIBRATION

Individual standard mixtures A and B were analyzed at the correct frequencies and concentrations. The percent resolution criterion for Individual standard mixtures A and B were within the acceptance criteria.

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20%. The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks.

## 4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ±25.0 percent for the calibration verifications with the exception of PEM03. As per the National Functional Guidelines, if the percent difference is greater than 25 percent for the compound(s) being quantified, qualify all detected results associated with that PEM with "J" and non-detects results with "UJ".

The percent difference for each of the pesticides and surrogates in the midpoint concentration of the Individual Standard Mixtures A and B was within the acceptance criteria of  $\pm 25.0$  percent.

#### 5. BLANKS

Same

Two laboratory method blanks and an Equipment blank were analyzed with this SDG. The results are summarized below.

#### Method Blank 381333

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 6/16/06.

# Method Blank 383583

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 6/23/06.

# Equipment Blank SK-GWEB-1018

No constituents were detected above the laboratory-reporting limit in the Equipment Blank collected on 6/15/06.

## 6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples except as follows:

SK-GW07R-1018	DCB (29%)	
SK-GW59-1018	TCX (29%)	
SK-GW63DUPE-1018	TCX (0%)	DCB (0%)
SK-GW63DUPE-1018RE	TCX (0%)	DCB (0%)

As per the National Functional Guidelines, if recoveries are between 10 and 30 percent qualify results greater than the detection limit with "J" and non-detected results with "UJ". If the surrogate is not present and is not do to being diluted out qualify detected results with "J" and non-detected results with "R".

## 7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-GW58-1018 was submitted for MS/MSD analysis. All of the percent recoveries associated with the MS were outside of the acceptance criteria and Lindane was outside the acceptance in the MSD. All of the RPD's between the MS/MSD were outside of the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD data alone.

# 8. PESTICIDE CLEANUP CHECKS

Recoveries of all pesticides and surrogates were within 80-120% for the lot of Florisil cartridges utilized for pesticide cleanup.

# 9. TARGET COMPOUND IDENTIFICATION

All reported pesticide data were correctly identified with supporting chromatograms present in the data package.

# 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported.

## 11. DOCUMENTATION

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The date extracted was not reported on the pesticide method blank summary (Form IV Pest). GCAL did not qualify the results with a "P" that were confirmed by a second column and that had a percent difference of greater than 25% between the two results. The data validator manually made the corrections.

## 12. OVERALL ASSESSMENT

The results are acceptable as qualified by the data validator.

# REFERENCES

1 to 102 100

US EPA, 1994. National Functional Guidelines for Inorganic Data Review.

US EPA, 1999. National Functional Guidelines for Organic Data Review.



# **ANALYTICAL RESULTS**

# **PERFORMED BY**

**GULF COAST ANALYTICAL LABORATORIES, INC.** 

Report Date 07/06/2006

GCAL Report 206061509

Deliver To Earth Tech 1455 Old Alabama Rd Suite 170

Roswell, GA 30076

770-990-1400

Attn Mark Kromis

Customer Earth Tech

Project Skinner Landfill

## **CASE NARRATIVE**

Client: Earth Tech Report: 206061509

Signal P

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Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

#### SEMI-VOLATILES MASS CHROMATOGRAPHY

In the OLM04.2 – CLP Semivolatiles analysis for prep batch 325847, the MS/MSD exhibited sporadic recovery failures. All LCS/LCSD recoveries and RPDs were acceptable. This is attributed to matrix interference.

## SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis, samples 20606150903 (SK-GW07R-1018) and 20606150904 (SK-GW59-1018) exhibited surrogate recoveries below advisory QC limits.

In the OLM04.2 - CLP Pest/PCB analysis, samples 20606150916 (SK-GW63DUPE-1018) and 20606150930 (SK-GW63DUPE-1018 (RE) exhibited low surrogate recoveries in the primary analysis. This sample was re-extracted and analyzed with a similar surrogate recovery. This is attributed to matrix interference. This sample was re-extracted out of hold time therefore both results are reported.

In the OLM04.2 - CLP Pest/PCB analysis, sample 20606150930 (SK-GW63DUPE-1018 (RE) exhibited low surrogate recoveries in the primary analysis. This sample was reextracted and analyzed with a similar surrogate recovery. This is attributed to matrix interference. This sample was re-extracted out of hold time therefore both results are reported.

In the OLM04.2 - CLP Pest/PCB analysis for prep batch 325849, the MS/MSD exhibited recovery failures. This is attributed to matrix interference. The MS/MSD exhibited RPD failures.

#### **METALS**

In the ILM04.1 - CLP Metals analysis for prep batch 326035, the MS and/or MSD recovery was outside the control limits for Thallium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. Aluminum, Chromium, Potassium and Zinc are flagged as estimated due to the fact that the percent difference between the original sample result and the serial dilution result is greater than 10. A chemical or physical interference is suspected.

In the ILM04.1 - CLP Metals analysis for prep batch 326036, the MS and/or MSD recovery was outside the control limits for Selenium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference.

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In the ILM04.1 - CLP Metals analysis, the MS recovery is not applicable for Aluminum and Iron for prep batch 326035 because the sample concentration is greater than four times the spike concentration.

# Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

## Common Abbreviations Utilized in this Report

ND	Indicates	the resu	ılt was	Not	Detected	at the specified RDL

**DO** Indicates the result was Diluted Out

Indicates the result was subject to Matrix Interference
TNTC Indicates the result was Too Numerous To Count

SUBC Indicates the analysis was Sub-Contracted

**FLD** Indicates the analysis was performed in the Field

PQL Practical Quantitation Limit
MDL Method Detection Limit
RDL Reporting Detection Limit

00:00 Reported as a time equivalent to 12:00 AM

## Reporting Flags Utilized in this Report

- J Indicates an estimated value
- U Indicates the compound was analyzed for but not detected
- **B** (ORGANICS) Indicates the analyte was detected in the associated Method Blank
- B (INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

**CURTIS EKKER** 

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DATA VALIDATION MANAGER

**GCAL REPORT 206061509** 

THIS REPORT CONTAINS VITOU

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# Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20606150901	SK-GW62A-1018	Water	06/14/2006 10:20	06/15/2006 09:40
20606150902	SK-GW06R-1018	Water	06/13/2006 14:25	06/15/2006 09:40
20606150903	SK-GW07R-1018	Water	06/13/2006 15:00	06/15/2006 09:40
20606150904	SK-GW59-1018	Water	06/14/2006 09:55	06/15/2006 09:40
20606150905	SK-GW64-1018	Water	06/14/2006 10:40	06/15/2006 09:40
20606150906	SK-GW60-1018	Water	06/14/2006 10:05	06/15/2006 09:40
20606150907	SK-GWTB-1018	Water		06/15/2006 09:40
20606150908	VHBLK	Water		06/15/2006 09:40
20606150909	SK-GW62A-1018 (DISS)	Water	06/14/2006 10:20	06/15/2006 09:40
20606150910	SK-GW06R-1018 (DISS)	Water	06/13/2006 14:25	06/15/2006 09:40
20606150911	SK-GW07R-1018 (DISS)	Water	06/13/2006 15:00	06/15/2006 09:40
20606150912	SK-GW59-1018 (DISS)	Water	06/14/2006 09:55	06/15/2006 09:40
20606150913	SK-GW64-1018 (DISS)	Water	06/14/2006 10:40	06/15/2006 09:40
20606150914	SK-GW61-1018	Water	06/14/2006 14:25	06/16/2006 10:00
20606150915	SK-GW63-1018	Water	06/14/2006 14:55	06/16/2006 10:00
20606150916	SK-GW63DUPE-1018	Water	06/14/2006 15:05	06/16/2006 10:00
20606150917	SK-GW58-1018	Water	06/15/2006 10:05	06/16/2006 10:00
20606150918	SK-GW58MS-1018	Water	06/15/2006 10:10	06/16/2006 10:00
20606150919	SK-GW58MSD-1018	Water	06/15/2006 10:20	06/16/2006 10:00
20606150920	SK-GW58DUP-1018	Water	06/15/2006 10:20	06/16/2006 10:00
20606150921	SK-GWTB-1018	Water		06/16/2006 10:00
20606150922	SK-GWEB-1018	Water	06/15/2006 10:45	06/16/2006 10:00
20606150923	SK-GW61-1018(DISS)	Water	06/14/2006 14:25	06/16/2006 10:00
20606150924	SK-GW63-1018(DISS)	Water	06/14/2006 14:55	06/16/2006 10:00
20606150925	SK-GW63DUPE-1018(DISS)	Water	06/14/2006 15:05	06/16/2006 10:00
20606.50926	SK-GW58-1018(DISS)	Water	06/15/2006 10:05	06/16/2006 10:00
20606150927	SK-GW58MS-1018(DISS)	Water	06/15/2006 10:10	06/16/2006 10:00
20606150928	SK-GW58DUP-1018(DISS)	Water	06/15/2006 10:20	06/16/2006 10:00
20606150929	SK-GWEB-1018(DISS)	Water	06/15/2006 10:45	06/16/2006 10:00
20606150930	SK-GW63DUPE-1018 (RE)	Water	06/14/2006 15:05	06/16/2006 10:00

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SAMPLE NO.

SK-GW62A-1018

					L	
Lab Name: GC	CAL Co	ntract:	eko antik disembera i terapi dilaki i son o sembagan sesah dilajih dilaki dilajih	and confession and the second second second second second second	in descripe	
Lat Code: LAC	024 Case No.:		SAS No.:	SC	G No.: 206061	1509
	r) Water		And the Assessment of the Asse			Samuel and a superior and a superior of su
	25 (g/ml) mL		Lab Sample ID:	20606150901		
						The second discount was a second or office.
Level: (low/med)	, a many of the contract section and	**********	Lab File ID: 206	0020/V3538		
% Moisture: not o	lec.		Date Collected:	06/14/06	Time: _10	)20
GC Column: DI	B-624-30M ID: .53	(mm)	Date Received:	06/15/06		magalini salama samila wa sanga magalini aliku ya Mara da Ma
	MSV0					501
Soil Extract Volur	ne:	(μL)	Dilution Factor:	1	Analyst:	ABD
Soil Aliquot Volun	ne:	(µL)	Prep Batch:		Analytical	Batch: 326085
004054504	TION I IN 1170 //		Analytical Method:			
CONCENTRAT	TION UNITS: ug/L			AND COUNTY AND ADMINISTRATION OF SERVICES		
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane		1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane		1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane		1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene		1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene		1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane		1.0	Ü	0.010	1.0
95-50-1	1,2-Dichlorobenzene		1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane		1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene		1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane		1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene		1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene		1.0	U	0.010	1.0
78-93-3	2-Butanone		5.0	U	0.010	5.0
591-78-6	2-Hexanone		5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone		5.0	U	0.010	5.0
67-64-1	Acetone		5.0	U	0.010	5.0
71-43-2	Benzene		1.0	Ü	0.010	1.0
75-27-4	Bromodichloromethane		1.0	U	0.010	1.0
75-25-2	Bromoform		1.0	U	0.010	1.0
74-83-9	Bromomethane		1.0	U	0.010	1.0
75-15-0	Carbon disulfide		1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride		1.0	U	0.010	1.0
103-90-7	Chlorobenzene		1.0	U	0.010	1.0
75-00-3	Chloroethane		1.0	U	0.010	1.0
67-66-3	Chloroform		1.0	U	0.010	1.0
74-87-3	Chloromethane		1.0	U	0.010	1.0
124-48-1	Dibromochloromethane		1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene		1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene		1.0	U	0.010	1.0
100-41-4	Ethylbenzene		1.0	U	0.010	1.0

FORM I VOA

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SAMPLE NO.

SK-GW62A-1018

Lab Name: GCAL	Contract:	Militari of the sea problems of the second free construction and the		The same same same	
Lab Code: LA024 Case No.:					
Matrix: (soil/water) Water	. e. e				
Sample wt/vol: 25 (g/ml) mL	mangan kan sersyang manangga dalam ay Me	Lab Sample ID:	2060615090	1	الد بين بينجوردات دسويردادية الريت بينوات، إلى هوياتك الاستهدادات بالر
Levei: (low/med)	and the second second second	Lab File ID: 20	060620/V3538	والمعلومة المعلومة ال	may - Minason - Million , 2009, 2000, and a specifical section - 100
% Moisture: not dec.	and the second section of the section o	Date Collected:			020
GC Column: DB-624-30M ID: .53		Date Received:	06/15/06		paga, with the control of the contro
Instrument ID: MSV0		Date Analyzed:	06/20/06		501
Soil Extract Volume:		Dilution Factor:			ABD
Soil Aliquot Volume:		Prep Batch:			Batch: 326085
CONCENTRATION UNITS: ug/L		Analytical Metho	d: OLCO 2.1	a Nijonari i Antoni vali na kannay saapa kari ngaari	
CAS NO. COMPOUND		RESULT	Q	MDL	RL
75-09-2 Methylene chloride		2.0	U	0.010	2.0
100-42-5 Styrene		1.0	U	0.010	1.0
127-18-4 Tetrachloroethene		1.0	U	0.010	1.0
108-88-3 Toluene		1.0	U	0.010	1.0
79-01-6 Trichloroethene		1.0	U	0.010	1.0
75-01-4 Vinyl chloride		1.0	U	0.010	1.0
1330-20-7 Xviene (total)		1.0	-	0.010	1.0

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## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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SAMPLE NO.	
SK-GW62A-1018	

Lab Name: GCAL	Contract:	elle allement i little della montali son sonoto contrata, si tra a construenza e monagene con contr			
Lab Code: LA024 Case No.:	TOUGHT A CONTROL OF SECURITY STORMAGE 1 .	SAS No.:	the graph grant conjudges on the system	SDG No.: 200	3061509
Matrix: Water	possible of somepany to area to	Lab Sample ID:	2060615090	1	en de volument av landar en landar en have en la
Sample wt/vol: Units:	e y crasson i gyanay tong eta gyanasiyan ya	Lab File ID: 20	60620/v3538	······································	
Level: (low/med)		Date Collected:	06/14/06	Time:	1020
% Moisture: not dec.		Date Received:	06/15/06	and the state of t	communications with health on a gard constitut, and take
GC Column: DB-624-30M ID: .53	(mm)	Date Analyzed:	06/20/06	Time:	1501
Instrument ID: MSV0		Dilution Factor:	1	Analyst	: ABD
Soil Extract Volume:	(μL)				
Soil Aliquot Volume:	(μL)				
Number TICs Found: 0  CONCENTRATION UNITS: ug/L  CAS NO. COMPOUND		RT	EST.	CONC.	Q
1. No tics detected					T
L					<del></del>

SAMPLE NO.

SK-GW06R-1018

Lab Name: GC	CON CON	tract:	AND analysis described to the papers of the space	U.S. In Superson Page, Investment Page	Page 11 Magazin 12 Mag	
Lab Code: LA0	24 Case No.:	s	AS No.:	S	DG No.: 20606	1509
	r) Water		anning y year man (ACP). There		-	
	25 (g/ml) mL		Lab Sample ID:	20606150902	2	meeting a summer incompany out the sec
	and the second of the second contract of the					Care Control of the C
			Date Collected:			425
	iec.					
GC Column: DE	B-624-30M ID: .53	(mm)	Date Received:	06/15/06	en volum distribution and the transfer of the second of th	el la lago de la colonidade de la coloni
nstrument ID:	MSV0		Date Analyzed:	06/20/06	Time: 1:	524
Soil Extract Volum						ABD
Soil Al:quot Volun	ne:	(µL)	Prep Batch:		Analytical	Batch: 326085
CONCENTRAT	TION UNITS: ug/L		Analytical Method	: OLCO 2.1	altrigate hispografic in the desire states gave above page.	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane		1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane		1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane		1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene		1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene		1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane		1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene		1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane		1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene		1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane		1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene		1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene		1.0	U	0.010	1.0
78-93-3	2-Butanone		5.0	U	0.010	5.0
591-78-6	2-Hexanone		5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone		5.0	U	0.010	5.0
67-64-1	Acetone		5.0	U	0.010	5.0
71-43-2	Benzene		1.0	U	0.010	1.0
75-27-4	Bromodichloromethane		1.0	U	0.010	1.0
75-25-2	Bromoform		1.0	U	0.010	1.0
74-83-9	Bromomethane		1.0	U	0.010	1.0
75-15-0	Carbon disulfide		1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride		1.0	J U	0.010	1.0
108-90-7	Chiorobenzene		1.0	U	0.010	1.0
75-00-3	Chloroethane		1.0	U	0.010	1.0
37-66-3	Chloroform		1.0	U	0.010	1.0
74-37-3	Chloromethane		1.0	U	0.010	1.0
124-48-1	Dibromochloromethane		1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene		1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene		1.0	U	0.010	1.0
100-41-4	Ethylbenzene		1.0	U	0.010	1.0

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SAMPLE NO.

SK-GW06R-1018

Lab Name: GCAL	Co	ntract:	ales a grande a construit de la constante e e constante de la constante de la constante de la constante de la c		wright representations	
	Case No.:		SAS No.:	Transmission and the second second second	SDG No.: 20606	1509
Matrix: (soil/water)	Water					
Sample wt/vol: 25	(g/ml) mL	or common to the approximate constants also made.	Lab Sample ID:	2060615090	2	ngyinan ni Thermaning yang banga ya b
Level: (low/med)	and the second of the second o	Fire Addition Novakingany v resource	Lab File ID: 200	60620/V3539		,
% Moisture: not dec	The second control of the second control of the second of the second control of the seco	-	Date Collected:	06/13/06	Time: 1	425
	24-30M ID: .53		Date Received:	00/45/00		
Instrument ID: MS	V0		Date Analyzed:		Time: 1	
Soi Extract Volume:	No who wrops to be by wrouse allies - William Europeanism	(μL)		1		ABD
Soi: Aliquot Volume:	man yan san haan salahaya ka maja ka manasi man haran magaan ka maja 1971		Drop Potob	www.wasayayayayayayaya		Batch: 326085
CONCENTRATIO			Analytical Method	I: OLCO 2.1	any a and program to program of the subject	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
75-09-2	Methylene chloride		2.0	U	0.010	2.0
100-42-5	Styrene		1.0	U	0.010	1.0
127-18-4	Tetrachloroethene		1.0	U	0.010	1.0
108-88-3	Toluene		1.0	U	0.010	1.0
79-01-6	Trichloroethene		1.0	U	0.010	1.0
75-01-4	Vinyl chloride		1.0	U	0.010	1.0
1330-20-7	Yvlene (total)		1.0	11	0.010	1.0

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## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	
SK-GW06R-1018	

Lab Name: GCAL	Contract:	and the second consistency of the second con			
Lab Code: LA024 Case No.:		SAS No.:		SDG No.: 206	5061509
Matrix: Water		Lab Sample ID:	20606150902	2	CAMBOLINA CONTRACTOR OF THE SECOND
Sample wt/vol: Units:	n makatan sa dan statusa u	Lab File ID: 206	0620/v3539	maayaanaa oo ka baabaa dadka da wax	management is a select of the statement which
Level: (low/med)		Date Collected:			
% Moisture: not dec.		Date Received:	06/15/06	والمعارضة المعاوضين بعواد	akkawa sa ing pangang nagawa sa ka
GC Column: DB-624-30M ID: .53	(mm)	Date Analyzed:	06/20/06	Time:	1524
Instrument ID: MSV0	and the second second	Dilution Factor:			ABD
So-I Extract Volume:					
So I Aliquot Volume:	., (µL)				
Number TICs Found: 0 CONCENTRATION UNITS: ug/L					
CAS NO. COMPOUND  1. No tics detected		RT	EST.	CONC.	Q
1. INO IICS detected					l

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SAMPLE NO.

SK-GW07R-1018

Lab Name: GCA	L Contract:	ra Maria, comita de la real a de la casa de la Confessione de la Confessione de la comita del comita de la comita del la co	a serva era eras antes pare e a vente erasperaren	directors and more to	
Lab Code: LA02	4 Case No.:				509
Matrix: (soil/water)	Water				
Sample wt/vol: 2	5 (g/ml) mL	Lab Sample ID:	2060615090	)3	
Level: (low/med)	gray and a second of the control of	Lab File ID: 206	0620/\/3540	to the state of the second	n page in a late of the second second
% Moisture: not de	C.	Date Collected:	06/13/06	Time: 15	00
GC Column: DB-	624-30M ID: .53 (mm)	Date Received:	06/15/06	ny digyy. I a sia a sa y 1970a ay ang angga bagan syampinan ay a	o e la leggia ne recent pagnici emaglio (
Instrument ID: _M	SV0	Date Analyzed:	06/20/06	Time: 15	48
	9: <u></u> (μL)	Dilution Factor:	1	Analyst:	ABD
Soil Aliquot Volume	: (µL)	Prep Batch:		Analytical B	Batch: 326085
CONCENTRATION	ON UNITS: ug/L	Analytical Method	OLCO 2.	Temperature and the state of th	
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane	1.0	T U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
1:20-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	Ü	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	Ü	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
12:4-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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FORM I VOA

823/06

SAMPLE NO.

SK-GW07R-1018

Lab Name: GC/	AL Co	ontract:	normal de description i regione i conserve description de la Fart est i annual mon	and the second s		
	Case No.:					1509
Matrix: (soil/water)	Water					
	25 (g/ml) mL		Lab Sample ID:	20606150903	3	and the second of the second o
_evel: (low/med)	Non-contract of the second contract of the se	a company and proper constraints	Lab File ID: 206	0620/V3540	and the second contract of the second contrac	againe hadan gerende ing kanadanangan garengangkan dalam
% Moisture: not de	C.		Date Collected:	06/13/06	Time: 15	500
	-624-30M ID: .53					and the second s
ns:rument ID: M	SV0	e ngari Mijarat nagbinggaphanggapha ya Aya ,			Time: 15	
Soi' Extract Volume	9:				Analyst:	
	э:		Prep Batch:			Batch: 326085
CONCENTRATI	ON UNITS: ug/L		Analytical Method:			
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
75-09-2	Methylene chloride		2.0	Ū	0.010	2.0
100-42-5	Styrene		1.0	U	0.010	1.0
127-18-4	Tetrachloroethene		1.0	U	0.010	1.0
1()8-88-3	Toluene		1.0	U	0.010	1.0
79-01-6	Trichloroethene		1.0	Ū	0.010	1.0
75-01-4	Vinyl chloride		1.0	U	0.010	1.0
1330-20-7	Xylene (total)	*****	1.0	Ü	0.010	1.0

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### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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SAMPLE NO.
 SK-GW07R-1018

Lab Name: GCA	Language of the section of the secti	Contract:				
Lab Code: LA024	4 Case No.:	s	AS No.:	**************************************	SDG No.: 200	5061509
Matrix: Water	na von statut vonen november i en bevonen i englandrine 18 kers ha ken Militak A et ekti 1 kers senet	makesis ANN ka challed over a makes the last All	Lab Sample ID:	2060615090	3	ethological management and of the controlled of
Sample wt/vol:	Units:	eriolos Federalescopas e correspondentes	Lab File ID: 206	60620/v3540	orași de distributivi de de la companio de la constitució de la constitució de la constitució de la constitució	
Level: (low/med)		gar was subject and layer of the	Date Collected:	06/13/06	Time:	1500
% Moisture: not de	C	A A ANNE OF THE PARTY OF THE PA	Date Received:	06/15/06	The same of the sa	and any think in a compact of specifical and the control of the
GC Column: DB-	624-30M ID: .53	(mm)	Date Analyzed:	06/20/06	Time:	1548
Instrument ID: MS	SV0	Maria Va andrena i e de en	Dilution Factor:			ABD
Soil Extract Volume	e:	(μL)				
Soil Aliquot Volume	9:	( µL )				
Number TICs Found: 1 CONCENTRATION UNITS: ug/L						
CAS NO.	COMPOUND		RT	EST.	CONC.	Q
109-99-9	Furan, tetrahydro-		4.436		1.44	

SAMPLE NO.

SK-GW59-1018

Lab Name: GCA	AL Contract:			at 1-2-2-2-2-100 (at		
	4 Case No.:				1509	
	Water	of Endingshown states for English of	philips areas here it also the	, giri ka sunn ann dilitikh ndaga.	pode a policy of the form of the reserve to the second to	
	25 (g/ml) mL	Lab Sample ID:	206061509	04		
_evel: (low/med)	a company of the company of the second					
% Moisture: not de				Time: 0		
	C					
	-624-30M ID: .53 (mm)			agadiannas – ar militalija alakki nar dara aga Malikina (ija ara ar		
nstrument ID: M	SV0	Date Analyzed:	06/20/06	Time: 1	611	
	e: (µL)	Dilution Factor:	1	Analyst:	ABD	
Soil Aliquot Volume		Prep Batch:			Batch: 326085	
son rangest volunt		·				
CONCENTRATION	ON UNITS: ug/L	Analytical Method	i: OLCO 2.	7		
CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
<b>U</b> 7.07.07.			•		,,_	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	]
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	]
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	7
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	7
7:5-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	7
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	7
106-93-4	1,2-Dibromoethane	1.0	Ü	0.010	1.0	٦
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	7
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	1
540-59-0	1,2-Dichloroethene	1.0	Ü	0.010	1.0	7
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	7
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	7
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	7
78-93-3	2-Butanone	5.0	U	0.010	5.0	7
591-78-6	2-Hexanone	5.0	U	0.010	5.0	7
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	7
67-64-1	Acetone	5.0	U	0.010	5.0	1 R
71-43-2	Benzene	1.0	υ	0.010	1.0	7 `
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	1
75-25-2	Bromoform	1.0	U	0.010	1.0	1
74-83-9	Bromomethane	1.0	U	0.010	1.0	1
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	1
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	1
10/3-90-7	Chlorobenzene	1.0	U	0.010	1.0	1
75-00-3	Chloroethane	1.0	U	0.010	1.0	1
67-66-3	Chloroform	1.0	U	0.010	1.0	1
74-87-3	Chloromethane	1.0	<del>                                     </del>	0.010	1.0	1
124-48-1	Dibromochloromethane	1.0	<del>                                     </del>	0.010	1.0	1
10061-01-5	cis-1,3-Dichloropropene	1.0	Ü	0.010	1.0	1
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	1
100-41-4	Ethylbenzene	1.0	Ū	0.010	1.0	1
L	<u> </u>	<del></del>	.1	L	_t	

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FORM I VOA

8/21/04

SAMPLE NO.

SK-GW59-1018

Lab Name: GCAL	C	ontract:		AND THE RESIDENCE OF THE PARTY	d northern arms when	
	Case No.:					1509
Matrix: (soil/water)	Water					
Sample wt/vol: 25	(g/ml) mL	The of the say you want to be the same.	Lab Sample ID:	2060615090	4	in the second of
Level: (low/med)	gar i gar i sur i suga su su suggar su su suggar su su suggar su su suggar su		Lab File ID: 200	50620/V3541	or of the first of the same of the day of the same of	and the state of t
% Moisture: not dec		and a supplement of the supplement	Date Collected:	06/14/06	Time: 0	955
	24-30M ID: .53		Date Received:		Mill wranteer wiches or view required program against school rape .	
Instrument ID: MS			Date Analyzed:			611
Soil Extract Volume:				1		ABD
Soi' Aliquot Volume:			Drop Botoh	Committee that the second has	Analytical	Batch: 326085
CONCENTRATIO	N UNITS: ug/L		Analytical Method	: OLCO 2.1		
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
75-09-2	Methylene chloride		2.0	U	0.010	2.0
100-42-5	Styrene		1.0	Ü	0.010	1.0
127-18-4	Tetrachloroethene		1.0	U	0.010	1.0
108-88-3	Toluene		1.0	U	0.010	1.0
79-01-6	Trichloroethene		1.0	U	0.010	1.0
75-01-4	Vinyl chloride		1.0	U	0.010	1.0
1330-20-7	Xvlene (total)		1.0	U	0.010	1.0

FORM I VOA

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### 1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	
SK-GW59-1018	

Lab Name: GCAL	Contract:	Million and Arthur and	to a constitution and a supplier of the state of the stat	<del></del>
Lab Code: LA024 Case No.:	e da sur mer ga va va va	SAS No.:	SDG No.: 20	6061509
Matrix: Water		Lab Sample ID:	20606150904	managarin Maria - Maria
Sample wt/vol: Units:		Lab File ID: 206	0620/v3541	The second secon
Level: (low/med)		Date Collected:	06/14/06 Time:	0955
% Moisture: not dec.	and the same bloom as the same and a same bloom as	Date Received:	06/15/06	
GC Column: DB-624-30M ID: .53	(mm)	Date Analyzed:	06/20/06 Time:	1611
Instrument ID: MSV0		Dilution Factor:	1 Analyst	: ABD
Soi Extract Volume:	(μL)			
Soil Aliquot Volume:	( µL )			
Number TICs Found: 0				
CONCENTRATION UNITS: ug/L				
CAS NO. COMPOUND		RT	EST. CONC.	Q
1. No tics detected				

SAMPLE NO.

SK-GW64-1018

Lab Name: GC	CAL Con	ntract:				
Lab Code: LA024 Case No.:			SAS No.:	SD	G No.: 20606	1509
	·) Water					
	25 (g/ml) mL		Lab Sample ID:	20606150905		
						entant to the entry plant and to be a set
% Moisture: not d	ec.					040
GC Column: DE	B-624-30M ID: .53	(mm)	Date Received:	06/15/06		
	MSV0					658
Soil Extract Volun	ne:	( µL )	Dilution Factor:	1	Analyst:	ABD
So:I Aliquot Volum	ne:	( µL )	Prep Batch:		Analytical	Batch: 326085
			Analytical Method:			
CONCENTRAT	TION UNITS: ug/L			the state of the s	of the transfer of the second	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane		1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane		1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane		1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene		1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene		1.0	Ü	0.010	1.0
106-93-4	1,2-Dibromoethane		1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene		1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane		1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene		1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane		1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene		1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene		1.0	U	0.010	1.0
78-93-3	2-Butanone		5.0	U	0.010	5.0
591-78-6	2-Hexanone		5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone	<del> </del>	5.0	U	0.010	5.0
67-64-1	Acetone		5.0	U	0.010	5.0
71-43-2	Benzene		1.0	U	0.010	1.0
75-27-4	Bromodichloromethane		1.0	U	0.010	1.0
75-25-2 74-83-9	Bromoform		1.0	l ü	0.010 0.010	1.0
75-15-0	Bromomethane Carbon disulfide		1.0	<del>                                     </del>	0.010	1.0
56-23-5	Carbon disulfide  Carbon tetrachloride	<del></del>	1.0	U	0.010	1.0
108-90-7	<del></del>		1.0	U	0.010	1.0
75-00-3	Chlorobenzene Chloroethane	<del></del>	1.0	U	0.010	1.0
67-66-3	Chloroform	<del></del>	1.0	l ü	0.010	1.0
74-87-3	Chloromethane		1.0	<del>                                     </del>	0.010	1.0
124-48-1	Dibromochloromethane	<del></del>	1.0	0	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene		1.0	<del>  U</del>	0.010	1.0
10061-01-5	trans-1,3-Dichloropropene		1.0	<del>  0</del>  -	0.010	1.0
100-41-4	Ethylbenzene		1.0	<del>  0</del>	0.010	1.0
100-1-4	1-41710-12016		1.0		0.010	1.0

FORM I VOA

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SAMPLE	NO.
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SK-GW64-1018

Lab Name: GCAL		ntract:			Ballinke	
	Case No.:		SAS No.:		SDG No.: 20606	1509
Matrix: (soil/water)	Water					
	(g/ml) mL		Lab Sample ID:	2060615090	5	
Level: (low/med)	remote the control of a paragraphy control, and a paragraphy more demonstrative of the control of	profilence reserve true salvernado y s	Lab File ID: 200	60620/V3543	ro - gapt 4 i registration page consequence and a second page consequence of	managere de agricos s
% Moisture: not dec.	in the second control of the second control	antenen si tiller kalenhassiner s. Appella,	Date Collected:	06/14/06	Time: 1	040
	24-30M ID: .53		Date Received:	06/15/06		made of the control o
Instrument ID: MS			Date Analyzed:			658
Soil Extract Volume:	an e a managam ser maga ayaa, qaransay se - siya an ac - siya ser se os serina serina serina serina serina ser	(µL)	Dilution Factor:	1	Analyst:	ABD
Soi: Aliquot Volume:	The state of the s		Dans Databa	AND COLUMN TO THE PROPERTY OF THE PARTY OF T		Batch: 326085
CONCENTRATIO			Analytical Method	: OLCO 2.1		
CAS NO.	COMPOUND		RESULT	Q	MDL	RL.
75-09-2	Methylene chloride	<del></del>	2.0	U	0.010	2.0
100-42-5	Styrene		1.0	U	0.010	1.0
127-18-4	Tetrachloroethene		1.0	U	0.010	1.0
108-88-3	Toluene		1.0	U	0.010	1.0
79-01-6	Trichloroethene		1.0	U	0.010	1.0
75-01-4	Vinyl chloride		1.0	U	0.010	1.0
1330-20-7	Xvlene (total)		1.0	U	0.010	1.0

#### 1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO. SK-GW64-1018

Lab Name: GCAL	Contract:	agringuis i nagling. It sagging is you to it is a supposed in the sagging of the	!		
Lab Code: LA024 Case No.:		SAS No.:	SDG N	o.: 206	061509
Matrix: Water	AND REAL PROPERTY OF A SQUARE.	Lab Sample ID:	20606150905		who appears than a sign of the
Sample wt/vol: Units:		Lab File ID: 200	60620/v3543		company of makes a constraint of the agency wine comment of the constraint.
Level: (low/med)			06/14/06		
% Moisture: not dec.		Date Received:	06/15/06		and the second section of the s
GC Column: DB-624-30M ID: .53	(mm)	Date Analyzed:	06/20/06	Time:	1658
Instrument ID: MSV0	<b></b>	Dilution Factor:	1	Analyst:	ABD
Soil Extract Volume:	(μL)				
Soil Aliquot Volume:	_ (µL)				
N. A. TiO. Frank					
Number TICs Found: 0					
CONCENTRATION UNITS: ug/L					
CAS NO. COMPOUND		RT	EST. CONC	<b>)</b> .	Q
No tics detected					

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The Halls of

No 1914

f. Hills

SAMPLE NO.

SK-GW60-1018

Lab Name: G0	CAL Contract:			nament s regions	
	024 Case No.:				509
Matrix: (soil/wate	r) Water				
	25 (g/ml) mL	Lab Sample ID:	20606150906	e eren og meren i løge og oppgage eregge beder	entential the region operation is subject to the VIII of
Level: (low/med)		Lab File ID: 206	60620/V3544		
% Moisture: not o	dec.	Date Collected:	06/14/06		005
	B-624-30M ID: .53 (mm)	Date Received:	06/15/06		
	MSV0	Date Analyzed:			21
	me: ( µL )	Dilution Factor:			
Soil Aliquot Volur	me: (µL)	Prep Batch:	raginaring/files by the right and section of	Analytical	Batch: 326085
CONCENTRA	TION UNITS: ug/L	Analytical Method	: OLCO 2.1	is to a contract the contract t	
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane	1.0	1 0 1	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	<del>l ő l</del>	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
7:5-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
1:20-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	. 1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	Ü	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
1 ( ) ( ) ( -4 ) ( -4 )	IT GOODED ZEDE	1 10		THE STATE OF THE S	111 (

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FORM I VOA

SAMPLE NO.

SK-GW60-1018

Lab Name: GCAL	Col	ntract:	t to a graph or the state of the special party and the special			
	Case No.:				DG No.: 20606	1509
Matrix: (soil/water)	Water					
	(g/ml) mL		Lab Sample ID:	20606150906	)	
Level: (low/med)	to book that the in things, suppressions and a result of a second state of the second of the spirit section.	and transport may be	Lab File ID: 20	60620/V3544	مقدر دودهد دورد الدورد الدادد الودار الد	Mr. P. P. D. S. PHILIPPE M. D. M. D. B. S. P. L. S. P. L. S. P. L. S. P. L. S. P. S.
	The second secon		Date Collected:	06/14/06	Time: 1	005
	24-30M ID: .53		Date Received:	06/15/06		
Instrument ID: MS	V0		Date Analyzed:			721
Soil Extract Volume:				1		ABD
Soil Aliquot Volume:			Prep Batch:			Batch: 326085
CONCENTRATIO			Analytical Method	d: OLCO 2.1	man in commission by Manager parameter of commission	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
75-09-2	Methylene chloride		2.0	U	0.010	2.0
100-42-5	Styrene	***********	1.0	U	0.010	1.0
127-18-4	Tetrachioroethene		1.0	U	0.010	1.0
108-88-3	Toluene		1.0	U	0.010	1.0
79-01-6	Trichloroethene		1.0	U	0.010	1.0
75-01-4	Vinyl chloride		1.0	Ü	0.010	1.0
1220 20 7	Videna (total)		10	1111111	0.010	1

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### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	
SK-GW60-1018	

Lab Name: GCAL Con	ntract:		·
Lat Code: LA024 Case No.:	SAS No.:	SDG No.: 206	061509
Matrix: Water	Lab Sample ID:	20606150906	ing ye styang ang sadating ye. Met e dissayang nggetay s Many s is deb
Sample wt/vol: Units:	Lab File ID: 206	60620/v3544	andrew and the state from the sale and the commence of the sale of
Level: (low/med)		06/14/06 Time:	1005
% Voisture: not dec.	Date Received:	06/15/06	and the second section of the second section of the second section of the second section of the second section
GC Column: DB-624-30M ID: .53	(mm) Date Analyzed:	06/20/06 Time:	1721
Instrument ID: MSV0	Dilution Factor:	1 Analyst:	ABD
	(μL)		
Scil Aliquot Volume:	(µL)		
Number TICs Found: 0 CONCENTRATION UNITS: ug/L			
CAS NO. COMPOUND	RT	EST. CONC.	Q
1. No tics detected			

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'Milesof

SAMPLE NO.

SK-GWTB-1018

Lab Name: GCA	L Contract:	and the state of the should be come by the graphical control of the state of the st		a algebra (spr. spr. spr. spr.		
	Case No.:				1509	
	Water	per en des mans anns again, ur aguaga		N Property and approximate regions pro-	- Martings ( ) is a filter of the supple of	***************************************
	5 (g/ml) mL	Lab Sample ID:	2060615090	7		
	and spinic standing members are decembers and the standard standar			NO THE PROPERTY OF SHEET WAS A		
				Time:		
	A CONTRACTOR OF THE PROPERTY O					
	624-30M ID: .53 (mm)			nar mare, grape sanggergererar e ziño sangezer e az en, eng pen		
Instrument ID: MS	5V0	Date Analyzed:	06/21/06	Time: 17	726	
Soil Extract Volume		Dilution Factor:	1	Analyst:	JCK	
Soil Aliquot Volume				Analytical		
oon / inquot volumo	(F-7				223.00	
CONCENTRATIO	ON UNITS: ug/L	Analytical Method:	OLGO 2.1	mark of his magazine vices cooling secretarily		
CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
						_
71-55-6	1,1,1-Trichloroethane	1.0	U .	0.010	1.0	]
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	]
79-00-5	1,1,2-Trichloroethane	1.0	C	0.010	1.0	]
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	]
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	]
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	1 M 2
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	]
95-50-1	1,2-Dichlorobenzene	1.0	C	0.010	1.0	]
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	]
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	]
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	]
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	]
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	_
78-93-3	2-Butanone	5.0	U	0.010	5.0	_
591-78-6	2-Hexanone	5.0	U	0.010	5.0	1
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	] R
71-43-2	Benzene	1.0	U	0.010	1.0	4
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	_
75-25-2	Bromoform	1,0	U	0.010	1.0	_
74-83-9	Bromomethane	1.0	U	0.010	1.0	4
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	_
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	1
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	4
75-00-3	Chloroethane	1.0	U	0.010	1.0	1
67-66-3	Chloroform	1.0	U	0.010	1.0	4
74-87-3	Chloromethane	1.0	U	0.010	1.0	1
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	4
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	1
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	4
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	i

FORM I VOA

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SAMPLE NO.
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SK-GW	TB-10	18

Lab Name: GCAL	C	ontract;	and the reserving supporting the second seco	- spragatory spragatory almost helicides associated	erage o care de par rade depuis	
ab Code: LA024	Case No.:		SAS No.:	Martin and a substitution of the	SDG No.: 20606	31509
Matrix: (soil/water) Water						
Sample wt/vol: 25			Lab Sample ID:	2060615090	)7	anganin wan day terminaka saraki nang samu patriak dapert san de
evel: (low/med)		The second second second	Lab File ID: 206	0621/V3574		
% Moisture: not dec.						
GC Column: DB-624-30M			Date Received:	06/15/06		hand a grander to a common the forestands and a supple open selections.
nstrument ID: MSV0		mar no se essa compa				1726
Soil Extract Volume:		(µL)	Dilution Factor:	1	Analyst:	JCK
Soil Aliquot Volume:		(µL)	Prep Batch:		Analytica	al Batch: 326150
CONCENTRATION UNITS:	ug/L		Analytical Method:	OLCO 2.1	appagger are basery of 600,000 white Absorbed	
CAS NO. COMPO	OUND		RESULT	Q	MDL	RL
75-09-2 Methylen	e chloride		2.5 010	J	0.010	2.0
100-42-5 Styrene			1.0	U	0.010	1.0
127-18-4 Tetrachio	oroethene		1.0	Ü	0.010	1.0
108-88-3 Toluene			1.0	Ü	0.010	1.0
79-01-6 Trichloro	ethene		1.0	U	0.010	1.0
75-01-4 Vinyl chlo	oride		1.0	U	0.010	1.0
1330-20-7 Xylene (to	<del></del>		1.0	U	0.010	1.0

8/29/06

FORM I VOA

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### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE	E NO
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SK-GWTB-1018

Lab Name: GCAL	Contract:	ming standenssern summissedelt Williamskyk i met e silv galage had bys som		<u> </u>	
Lab Code: LA024 Case No.:		SAS No.:	and the second second	SDG No.: 206	061509
Matrix: Water	Marketine and a survey	Lab Sample ID:	20606150907	7	energy and a second report of the
Sample wt/vol: Units:	o or a situation from Assessment or	Lab File ID: 200	60621/v3574	an e i ju ga ga gangangan e e e ha iai e e e	water or against the superstant and a second section for
Level: (low/med)	AMPLE AND AND	Date Collected:		Time:	to the street of the street
% Moisture: not dec.		Date Received:	06/15/06		r r compre per monagen, me record
GC Column: DB-624-30M ID: .53	(mm)	Date Analyzed:	06/21/06	Time:	1726
Instrument ID: MSV0		Dilution Factor:	1	Analyst:	JCK
Soil Extract Volume:					
Soil Aliquot Volume:	(μL)				
Number TICs Found: 0					
CONCENTRATION UNITS: ug/L		·			
CAS NO. COMPOUND	···	RT	EST.	CONC.	Q

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1 4 183 4 50

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Comme

SAMPLE NO.

SK-GW61-1018

Lab Name: GCA	AL Contract:		on term for any regular company or a solen	reason distribution page (si to 1 -		
	4 Case No.:				1509	
	Water			Nov HE Management nov 1	, annum artino " rig. na marbhille d'agre réagar archèr marbhir bann th	
	25 (g/ml) mL		206061509	14	unter de leganoragemente de magga e prochase.	
Level: (low/med)	and the control of th	Lab File ID: 206	50620/V3548			
	C					
	-624-30M ID: .53 (mm)			water to 1 yap substruggles on owner. We observe the		
Instrument ID: M	SV0	Date Analyzed:	06/20/06	Time: 18	357	
Soil Extract Volume	e: (µL)	Dilution Factor:	1	Analyst:	ABD	
Soil Aliquot Volume		Prep Batch:		Analytical		
	The second secon	•			\$ T. 2	
CONCENTRATI	ON UNITS: ug/L	Analytical Method	: OLCO 2.	a magazine en mare commune		
CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichtoroethane	1.0	Τυ	0.010	1.0	7
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	┪
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	7
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	7
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	7
1.20-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	٦
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	٦
9:5-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	7
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	7
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	7
73-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	7
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	7
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	7
78-93-3	2-Butanone	5.0	U	0.010	5.0	7
591-78-6	2-Hexanone	5.0	U	0.010	5.0	7
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	7
67-64-1	Acetone	5.0	U	0.010	5.0	TR
71-43-2	Benzene	1.0	U	0.010	1.0	7 '
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	7
75-25-2	Bromoform	1.0	U	0.010	1.0	]
74-83-9	Bromomethane	1.0	U	0.010	1.0	]
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	]
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	]
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	]
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	]
1:24-48-1	Dibromochloromethane	1.0	U	0.010	1.0	]
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	]
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	]
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	]

FORM I VOA

8/27/04

SAMPLE NO.

SK-GW61-1018

Lab Name: GCA	L Co	ntract:	. برنین استان در	on negatives in the section of		
Lab Code: LA024	Case No.:		SAS No.:	S	DG No.: 20606	1509
Matrix: (soil/water)	Water					
	5 (g/ml) mL		Lab Sample ID:	20606150914	1	reference or acceptance (many control and acceptance or the
_evel: (low/med)	g ay a tribit to topocologico participato a tribito ay tribito to the constitution of		Lab File ID: 208	60620/V3548		and the same of th
% Moisture: not ded		THE LETTERS WE WARM IN COMME	Date Collected:	06/14/06	Time: 1	425
	624-30M ID: .53					from the second of the second
nstrument ID: MS						357
Soil Extract Volume						ABD
Soil Aliquot Volume	n In Special was the province and the same of the same	(µL)	Prep Batch:		Analytical	Batch: 326085
CONCENTRATIO	DN UNITS: ug/L		Analytical Method			
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
75-09-2	Methylene chloride		2.0	U	0.010	2.0
100-42-5	Styrene		1.0	U	0.010	1.0
127-18-4	Tetrachloroethene		1.0	U	0.010	1.0
108-88-3	Toluene		1.0	U	0.010	1.0
79-01-6	Trichloroethene		1.0	U	0.010	1.0
75-01-4	Vinyl chloride		1.0	U	0.010	1.0
1330-20-7	Xylene (total)		1.0	U	0.010	1.0

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### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	
SK-GW61-1018	

Contract:	Annual designation of the contract states for the contract state of the contract state o	THE BOTTON TO THE PARTY AND ADDRESS OF A SECTION OF A		
	SAS No.:	ak wa madii ni ilimu aayaa wayayanay garaagaan	SDG No.: 206	6061509
Au	Lab Sample ID:	2060615091	4	
	Lab File ID: 20	60620/v3548	er en skriver, i gener i skriver, blis sære kommer e skriver og s	
	Date Collected:	06/14/06	Time:	1425
	Date Received:	06/16/06	t 10 - Chimosofo e also por a the militar as a contract	whatedory, retains the strong and a strong again, which is some surface.
(mm)	Date Analyzed:	06/20/06	Time:	1857
· verses and and ·				ABD
( µL )				
(µL)				
	RT	FST	CONC	Q
<del></del>	- Ki	E31.	CONO.	<u> </u>
	(mm)	SAS No.:  Lab Sample ID:  Lab File ID: 20  Date Collected:  Date Received:  (mm) Date Analyzed:  Dilution Factor:	SAS No.:  Lab Sample ID: 2060615091  Lab File ID: 2060620/v3548  Date Collected: 06/14/06  Date Received: 06/16/06  (mm) Date Analyzed: 06/20/06  Dilution Factor: 1  ( μL ) ( μL )	SAS No.: SDG No.: 206  Lab Sample ID: 20606150914  Lab File ID: 2060620/v3548  Date Collected: 06/14/06 Time:  Date Received: 06/16/06  (mm) Date Analyzed: 06/20/06 Time:  Dilution Factor: 1 Analyst:  ( μL )  ( μL )

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SAMPLE I	NL.

SK-GW63-	

Lab Name: GC	AL Contract:					
	24 Case No.:				1509	
Matrix: (soil/water	) Water					
	25 (g/ml) mL	Lab Sample ID:	206061509	15	and a second of the contrasting contrasting to the	
	annug a sa yang ng angkunggung yann yan an ar			.,		
	ec.			Time: 1		
	3-624-30M ID: .53 (mm)			one and the second of the seco		
	MSV0	Date Analyzed:	06/20/06		920	
	ne: (µL)	Dilution Factor:			ABD	
	ne: (µL)			Analytical		
		Analytical Method			the section of the se	
CONCENTRAT	TION UNITS: ug/L			and the distribution of the state of the sta		
CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	7
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	7
79-00-5	1,1,2-Trichloroethane	1.0	Ü	0.010	1.0	7
75-34-3	1,1-Dichloroethane	1.0	Ū	0.010	1.0	1
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	7
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	7
106-93-4	1,2-Dibromoethane	1.0	Ü	0.010	1.0	1
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	1
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	1
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	1
73-87-5	1,2-Dichloropropane	1.0	u	0.010	1.0	7
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	7
106-46-7	1,4-Dichlorobenzene	1.0	Ú	0.010	1.0	7
78-93-3	2-Butanone	5.0	U	0.010	5.0	1
591-78-6	2-Hexanone	5.0	U	0.010	5.0	1
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	1.
67-64-1	Acetone	5.0	Ü	0.010	5.0	7 R
71-43-2	Benzene	1.0	Ü	0.010	1.0	]
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	]
75-25-2	Bromoform	1.0	U	0.010	1.0	]
74-83-9	Bromomethane	1.0	U	0.010	1.0	]
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	1
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	7
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	7
75-00-3	Chloroethane	1.0	Ü	0.010	1.0	1
67-66-3	Chloroform	1.0	U	0.010	1.0	]
74-87-3	Chloromethane	1.0	U	0.010	1.0	]
1:24-48-1	Dibromochloromethane	1.0	U	0.010	1.0	]
10061-01-5	cis-1,3-Dichloropropene	1.0	Ü	0.010	1.0	]
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

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FORM I VOA .

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SK-GW63-1018

Lab Name: GCAL Co	ntract:			Signage or an in relative	
	LA024 Case No.: S				1509
Matrix: (soil/water) Water					
Sample wt/vol: 25 (g/ml) mL		Lab Sample ID:	206061509	15	streaming affiliate managements of more rathering in
Level: (low/med)	***	Lab File ID: 200			
% Moisture: not dec.	THE STREET STREET	Date Collected:	06/14/06	Time: 1	455
GC Column: DB-624-30M ID: .53		Date Received:	06/16/06		n ga gan ya nin Managanti Ngan King (1971 iyo ay nagani managan
nstrument ID: MSV0	and the second second second	Date Analyzed:		Time: 1	
Soi-Extract Volume:	(µL)	Dilution Factor:	1	Analyst:	ABD
Soil Aliquot Volume:		Prep Batch:	sacance to serve trayer of the Wife	Analytical	Batch: 326085
CONCENTRATION UNITS: ug/L		Analytical Method			
CAS NO. COMPOUND		RESULT	Q	MDL	RL
75-09-2 Methylene chloride	·	2.0	U	0.010	2.0
100-42-5 Styrene		1.0	U	0.010	1.0
127-18-4 Tetrachloroethene		1.0	U	0.010	1.0
108-88-3 Toluene		1.0	U	0.010	1.0
79-01-6 Trichloroethene		1.0	U	0.010	1.0
75-01-4 Vinyl chloride		1.0	U	0.010	1.0
1330-20-7 Xylene (total)	······································	1.0	U	0.010	1.0

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#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL Contract:

SK-GW63-1018 SDG No.: 206061509 Time: 1455 06/20/06 Time: 1920 Analyst: ABD

Case No.: Lab Code: LA024 SAS No.: Lab Sample ID: 20606150915 Matrix: Water Units: Lab File ID: 2060620/v3549 Sample wt/vol: Level: (low/med) Date Collected: 06/14/06 % Moisture: not dec. Date Received: 06/16/06 GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: Dilution Factor: 1 Instrument ID: MSV0 and the second s Soil Extract Volume: (μL) Soil Aliquot Volume: ( µL ) Number TICs Found: CONCENTRATION UNITS: ug/L RT EST. CONC. CAS NO. **COMPOUND** No tics detected

SAMPLE NO.

SK-GW63DUPE-1018

Lah Name: GC	CAL Contract:				
	124 Case No.:				1509
	r) Water	7.0 No.,		20000	TOO
	25 (g/ml) mL	Lab Sample ID:	20606150916		
	يعلام والمساوية والمساورة				
% Moisture: not d		Date Collected:	06/14/06	Time: 15	505
GC Column: DI	B-624-30M ID: .53 (mm)	Date Received:	06/16/06	nace a minimizer of exciting a popular	
nstrument ID:	MSV0	Date Analyzed:			
Soil Extract Volun					RJO
Sail Aliquot Volun	ne: ( µL )				Batch: 326085
CONCENTRAT	TION UNITS: ug/L	Analytical Method:	OLCO 2.1	- States while it is a second	
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane	1.0	T 0 T	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0		0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	<del>                                     </del>	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	<del>                                     </del>	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	0	0.010	1.0
106-93-4	1.2-Dibromoethane	1.0	l ü	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	Ü	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0		0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	<del>  0  </del>	0.010	1,0
78-87-5	1,2-Dichloropropane	1.0	<del>l ő l</del>	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	<del>l ő l</del>	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	<del>- u</del>	0.010	1.0
78-93-3	2-Butanone	5.0	l - <del></del>	0.010	5.0
591-78-6	2-Hexanone	5.0	<del>u</del>	0.010	5.0
108-10-1	4-Methyl-2-pentanone	5.0	Ü	0.010	5.0
67-64-1	Acetone	5.0	-u	0.010	5.0
71-43-2	Benzene	1.0	Ü	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
53-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	υ	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	Ü	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	υ	0.010	1.0
130-41-4	Ethylbenzene	1.0	U	0.010	1.0

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8/23/36

FORM I VOA

SAMPLE NO.

SK-GW63DUPE-1018

Lab Name: GC	AL C	ontract:	naga magawaga karanga 1,5 ya 1,4 wasa wasa Magagaya san karaha saka saka sa naga karanga sa naga nagamaya sa	and the control of the special of the state of	- 2 Magazandria maranan		
			SAS No.: SDG No.: 206061509				
Matrix: (soil/water)	Water						
	25 (g/ml) mL		Lab Sample ID:	2060615091	6	and the second s	
Level: (low/med)			Lab File ID: 20	60620//3550		time or , angay paper record action segment	
	ec.		Date Collected:	06/14/06	Time: 1	505	
	-624-30M ID: .53		Date Received:	06/16/06			
	ISV0		Date Analyzed:	06/20/06		943	
	е:		Dilution Factor:	1		RJO	
	<b>e</b> :		Prep Batch:			Batch: 326085	
CONCENTRATI	ION UNITS: ug/L		Analytical Method	I: OLCO 2.1	* Milyappae apopagaminin e er var namenijan plin		
CAS NO.	COMPOUND		RESULT	Q	MDL	RL	
75-09-2	Methylene chloride	<del></del>	2.0	U	0.010	2.0	
100-42-5	Styrene		1.0	U	0.010	1.0	
1:27-18-4	Tetrachloroethene		1.0	U	0.010	1.0	
108-88-3	Toluene		1.0	U	0.010	1.0	
79-01-6	Trichloroethene		1.0	U	0.010	1.0	
75-01-4	Vinyl chloride		1.0	U	0.010	1.0	
1330-20-7	Yvlene (total)		1.0	1 11	0.010	1.0	

### 1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SH	IVIT		NO.			
SK.	.GV	<b>/63</b>	DUI	PE-1	018	3

Lati Name: GCAL C	ontract:	eri da papara meninciana da l'ancione de l'A			
Lab Code: LA024 Case No.:	r a deritte i wen	SAS No.:	and a second second second second	SDG No : 200	5061509
Matrix: Water	a comme malant, and a second	Lab Sample ID:	2060615091	6	e terresimentales and an experience of the exper
Sample wt/vol: Units:		Lab File ID: 200	50620 <i>k</i> /2550		enternan e est determination de la company (autore s
Level: (low/med)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Date Collected:	06/14/06	Time:	1505
% Moisture: not dec.	C. British W. Michigana	Date Received:	06/16/06	and the second s	Mercel on Section 1911 Section 1985 2 2 2 2 2 1 Section 1985
GC Column: DB-624-30M ID: .53	(mm)	Date Analyzed:	06/20/06	Time:	1943
Instrument ID: MSV0	n - Arthur Maria agus agus na an an	Dilution Factor:	1	Analyst	RJO
Soil Extract Volume:					
Soil Aliquot Volume:	_ ( µL )				
Number TICs Found: 0  CONCENTRATION UNITS: ug/L		DT	ECT	CONC	
CAS NO. COMPOUND  1. No tics detected		RT	ES1.	CONC.	Q 
1.0 400 401010		1			i

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SAMPLE NO.

SK-GW58-1018

Lab Name: GCA	L Contract:	e no e e e como a casa e a e e por e gamero mende de la falloga com		rangerilli dan diramaka dal	
Lab Code: LA024	Case No.: SA	S No.:	dy names you would be a tradewid on	SDG No.: 206061	509
Matrix: (soil/water)	Water				
	5 (g/ml) mL	Lab Sample ID:	206061509	17	PP - No Fragino in analogical department - Heller and their department on account
Level: (low/med)		Lab File ID: 206	0620/V3542		
% Moisture: not dec	And the second section for a final common common. The second section is a continuous to the continuous to the	Date Collected:	06/15/06	Time: 10	005
	524-30M ID: .53 (mm)	Date Received:	06/16/06		
Instrument ID: MS	5V0	Date Analyzed:	06/20/06	Time: 16	34
Soil Extract Volume			1		ABD
Soil Aliquot Volume		Prep Batch:	and the second s	Analytical	Batch: 326085
CONCENTRATIO	DN UNITS: ug/L	Analytical Method:	OLCO 2.	1	
	COMPOUND	RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane	1.0	TU	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	l u	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	T U	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0,010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	<del>- i</del>	0.010	1.0
73-87-5	1,2-Dichloropropane	1.0	Ū	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	Ü	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0 R
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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FORM I VOA

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SAMPLE NO.

SK-GW58-1018

Lab Name: GCAI	Co	ntract:	page that the state of the stat		and the same	
	Case No.:		SAS No.:	S	DG No.: 20606	1509
Matrix: (soil/water)	Water					
Sample wt/vol: 25	(g/ml) mL		Lab Sample ID:	20606150917	7 اللانغة دونيسر درد ماليان السياسية الرد روزيان موسادي درواي	f www.high-so
Level: (low/med)	The second section of the second section is a second section of the second section section section section sec	many of watering manager	Lab File ID: 20	60620/V3542	agrammatik o att løder omrøget tilk til skill omrøde sk	و د د د د د د د د د د د د د د د د د د د
% Moisture: not dec		the right with his first of the first of	Date Collected:	06/15/06	Time: 1	005
	524-30M ID: .53		Date Received:	06/16/06	ang pang mga mga mga mga mga mga mga mga mga mg	name of the second second second second
Instrument ID: MS	5V0	tale to see a sur-	Date Analyzed:			634
Soil Extract Volume:	the contract for the contract of the contract	(μL)	Dilution Factor:	1	Analyst:	ABD
Soil Aliquot Volume:			Prep Batch:	inga again ya makawana ki ki agaan kiin ki ma	Analytical	Batch: 326085
CONCENTRATIC			Analytical Method			
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
75-09-2	Methylene chloride		2.0	T U T	0.010	2.0
1:00-42-5	Styrene		1.0	U	0.010	1.0
127-18-4	Tetrachloroethene		1.0	U	0.010	1.0
108-88-3	Toluene		1.0	U	0.010	1.0
79-01-6	Trichloroethene		1.0	U	0.010	1.0
75-01-4	Vinyl chloride		1.0	U	0.010	1.0
1330-20-7	Xylene (total)		1.0	U	0.010	1.0

#### 1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	
SK-GW58-1018	

Lab Name: GCAL	Contract:	and the control of th		
Lab Code: LA024 Case No.:	SA	AS No.:	SDG No.: 200	5061509
Matrix: Water	is the channel are of the fill all the fill the lay incompanion and the	Lab Sample ID: 2	20606150917	The speciment is a region of the speciment of the specime
Sample wt/vol: Units:		Lab File ID: 2060		and the following of the course of the cours
Level: (low/med)	and the second of the second o	Date Collected: _0	06/15/06 Time:	1005
% Moisture: not dec.	in the state of th	Date Received: _0	06/16/06	Manager of the South Control of
GC Column: DB-624-30M ID:	.53 (mm)	Date Analyzed: 0	06/20/06 Time:	1634
Instrument ID: MSV0	man water of the first in man in man along a series and a	Dilution Factor: _1	I Analyst	: ABD
Scil Extract Volume:	(μL)			
Soil Aliquot Volume:	(µL)			
Number TICs Found: 0 CONCENTRATION UNITS: ug/L				
CAS NO. COMPOUND		RT	EST. CONC.	Q
No tics detected				

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SAMPLE NO.

SK-GWTB-1018

Lab Name: GC	CAL Contract:		alle op 1 g. alle group op 1 av 1 a	T 9000 000 . g - 1000		
	24 Case No.:				509	
	·) Water	No and the State of S	consumed aborition 4 *100 *1000F0F1	gar gopare - sup	all and the state of the state	
	25 (g/mi) mL	Lab Sample ID:	20606150921		as quantity on a sum volgano for vibrollocality had 1774 to some some	
	Management of the first of the section of the secti					
	ec.					
GC: Column: DB-624-30M ID: .53 (mm)  Instrument ID: MSV0		Date Received:	06/16/06			
		Date Analyzed:	06/20/06	Time: 20	Time: 2007	
Soil Extract Volun					Analyst: RJO	
	the state options considered the material flow and proper superstates and a models are advantaged in Material Specialists.					
Soil Aliquot Volun	ne: (μL)		Analytical Batch: 326			
CONCENTRAT	TION UNITS: ug/L	Analytical Method:	OLCO 2.1	angel the anticontroller. Weather, Magazing, a way,		
CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1,0	I U T	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	l ü l	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	Ü	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
<b>78-93-</b> 3	2-Butanone	5.0	U	0.010	5.0	
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	Ü	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	Ü	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	Ü	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

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CASA	10
SAM	INC

SK-GWTB-1018

Lab Name: GCA	L Co	ontract:	ng galat san in ti ang gaga angka a lan ina ang masan sikhak hija	age our sager raising conflictingly any respective to	to B. Hanner Indonesia	
	Case No.:		SAS No.:	S	DG No.: 20606	1509
Matrix: (soil/water)	Water					•
Sample wt/vol: 25	5 (g/ml) mL	er wysan i wrang sager nager from	Lab Sample ID:	2060615092		barok Milik -garggymannin - <sub>waran</sub> yk k dinanca nobik k
Level: (low/med)	en man i y siz mediacami iza kini ama sapa supua i mi musuka embega nua me ke	وميونون ي د رادمو	Lab File ID: 206	0620/V3551	Column is the Section 15 or 1 to 196 198 1981	and the second page 100 to 14.41 systems.
% Moisture: not dec	to the state of th	Provided and reference gas made for the last of the P	Date Collected:	ويهادده بالهاجم فيزياك الراجعة الايجها يعوب	Time:	the state of the s
	524-30M ID: .53		Date Received:	06/16/06		andrework to want of though having spoke spokes, as were
Instrument ID: MS	SV0		Date Analyzed:			007
Soil Extract Volume	· · · · · · · · · · · · · · · · · · ·	(µL)	Dilution Factor:	1	Analyst:	RJO
Soil Aliquot Volume:	- marker or and appropriate and the desirable of a global state of the appropriate of the	( pL )	Prep Batch:	atrophysical grant of the thorac supplicable is systema, after	Analytical	Batch: 326085
CONCENTRATIO	DN UNITS: ug/L		Analytical Method			
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
75-09-2	Methylene chloride		2.0	U	0.010	2.0
100-42-5	Styrene		1.0	U	0.010	1.0
127-18-4	Tetrachloroethene		1.0	U	0.010	1.0
108-88-3	Toluene		1.0	U	0.010	1.0
79-01-6	Trichloroethene		1.0	U	0.010	1.0
75-01-4	Vinyl chloride		1.0	U	0.010	1.0
1330-20-7	Xylene (total)		1.0	U	0.010	1.0

#### 1E

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPL	E NO
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SK-GWTB-1018	

Lab Name: GCAL Contrac	L	
Lab Code: LA024 Case No.:	SAS No.: SDG I	No.: 206061509
Matrix: Water	Lab Sample ID: 20606150921	destinant elegite ett i i jalok king ingan samininka et i sig eng des ik ett en i sami
Sample wt/vol: Units:	Lab File ID: 2060620/v3551	ngarana shekara i sun dara dabigang bilang yaka rahahada in bangaban dabi kari asa 15 mili su kari
Level: (low/med)	D 1 0 11 1 1	Time:
% Moisture: not dec.	Date Received: 06/16/06	the first of Physician and American State of the State of
GC Column: DB-624-30M ID: .53 (mm	Date Analyzed: 06/20/06	Time: 2007
Instrument ID: MSV0	Dilution Factor: 1	Analyst: RJO
Soil Extract Volume: ( µL	)	
Soil Aliquot Volume: (μL	)	

Number TICs Found: 2

CONCENTRATION UNITS: ug/L

C	AS NO.	COMPOUND	RT	EST. CONC.	Q
1.	811-97-2	Norflurane	1.188	3.52	
2.	75-19-4	Unknown	1.792	.309	<u> </u>

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SAMPLE NO.

SK-GWEB-1018

Lab Name: _GC	CAL Contract:	naga sangga naga naga dana sangga naga naga da agama agawa naga				
	024 Case No.: S				509	
	r) Water	ge in remensional neb		de nat ne reconsignature del 1 m	and the second s	
	25 (g/ml) mL	Lab Sample ID:	2060615092	2	Marine appropriate to a 100 to 100 year forms.	
	and the second	Lab File ID: 206	60620/V3552			
	lec.			Time: 10		
	B-624-30M ID: .53 (mm)	Date Received:		and the same control of the same of the sa	were the supplemental and the	
nstrument ID:!	MSV0	Date Analyzed:	06/20/06	Time: 20	30	
	ne: (µL)	Dilution Factor:	1	Analyst:	RJ0	
Soil Aliquot Volun				Analytical I		
	The same section of the content of the same of the sam					-
CONCENTRAT	TION UNITS: ug/L	Analytical Method:	OLCO 2.1	Confidence and all the contract of the contrac		
CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	lada Tasalamankan	1 40	1	0.040	1 10	1
79-34-5	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	1.0	U	0.010 0.010	1.0	ł
79-00-5	1,1,2-Trichloroethane	1.0	1 0	0.010	1.0	1
75-34-3	1,1-Dichloroethane	1.0	<del>  0</del>	0.010	1.0	1
75-35-4	1,1-Dichloroethene	1.0	<del>                                     </del>	0.010	1.0	ł
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	1
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	ł
95-50-1	1,2-Dichlorobenzene	1.0	1 - 0 - 1	0.010	1.0	1
107-06-2	1,2-Dichloroethane	1.0		0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	<del>                                     </del>	0.010	1.0	ĺ
78-87-5	1,2-Dichloropropane	1.0	<del>                                     </del>	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	1-0-1	0.010	1.0	l
106-46-7	1,4-Dichlorobenzene	1.0	1 0	0.010	1.0	
78-93-3	2-Butanone	5.0	<del>                                     </del>	0.010	5.0	l
591-78-6	2-Hexanone	5.0	<del>                                     </del>	0.010	5.0	ĺ
108-10-1	4-Methyl-2-pentanone	5.0	<del>                                     </del>	0.010	5.0	1
67-64-1	Acetone	4.2	1 5	0.010	5.0	T
71-43-2	Benzene	1.0	<del>  "</del>	0.010	1.0	1
75-27-4	Bromodichloromethane	1.0	<del>l ŭ l</del>	0.010	1.0	ĺ
75-25-2	Bromoform	1.0	<del>                                     </del>	0.010	1.0	ĺ
74-83-9	Bromomethane	1.0	l ü l	0.010	1.0	
75-15-0	Carbon disulfide	1.0	<del>                                     </del>	0.010	1.0	Į
56-23-5	Carbon tetrachloride	1.0	$\frac{1}{U}$	0.010	1.0	1
108-90-7	Chlorobenzene	1.0	t u	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67'-66-3	Chloroform	1.0	Ü	0.010	1.0	
74-87-3	Chloromethane	1.0	<del>                                     </del>	0.010	1,0	
12:4-48-1	Dibromochloromethane	1.0	<del></del>	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	<del>-</del>	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	Ü	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	
		_ <del></del>				

FORM I VOA

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SAMPLE NO.

SK-GWEB-1018

Lab Name: GCA	L. Cor	tract:	ale describe ale en a servicio de la companio de l		pagaronia ang majaga	
	Case No.:					1509
Matrix: (soil/water)	Water					
	5 (g/ml) mL		Lab Sample ID:	206061509	322	ga minimum (1944-1944), alamay shakar (1944-1944), gʻaran (1941-1941).
Level: (low/med)	na an a	Fr and a specimental con acceptance	Lab File ID: 200			
% Moisture: not dec			Date Collected:	06/15/06	Time: 10	)45
	524-30M ID: .53		Date Received:		angang garangan an managan kalang sa kanggan kanan banag sa kanan sa kanan sa kanan sa kanan sa kanan sa kanan	
Instrument ID: MS			Date Analyzed:		Time: 20	
So I Extract Volume	:	( µL )	Dilution Factor:	1		RJO
So I Aliquot Volume:	where we are the first to a 10% to approximate provided the first and approximate it in the company of the first to a 10% to approximate the first to approximate the 10% to approximate the first to approximate the first to approximate the first to approximate the first to approximate the 10% to approx	(µL)	Prep Batch:			Batch: 326085
CONCENTRATIC			Analytical Method			
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
75-09-2	Methylene chloride	· <del>· ··· ·</del>	2.0	U	0.010	2.0
100-42-5	Styrene		1.0	U	0.010	1.0
127-18-4	Tetrachloroethene		1.0	U	0.010	1.0
108-88-3	Toluene		1.0	U	0.010	1.0
79-01-6	Trichloroethene		1.0	U	0.010	1.0
75-01-4	Vinyl chloride		1.0	Ü	0.010	1.0
1330-20-7	Xylene (total)		1.0	U	0.010	1.0

FORM I VOA

#### 1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	
SK-GWEB-1018	

Lab Name: GCAL	_Contract:	paraty, error colong gapaga program and a plan is the error of a colonia of colonia of colonia of colonia. I colonia		
Lab Code: LA024 Case No.:	or with the deposit of their productions and their	SAS No.:	SDG No.: 20	6061509
Matrix: Water	and the same and the participations of	Lab Sample ID: 20606150	0922	and the same of th
Sample wt/vol: Units:		Lab File ID: 2060620/v355	52	enders as the effects of make paying paying
Level: (low/med)	r sheet tara soon t	Date Collected: 06/15/06	Time:	1045
% Moisture: not dec.		Date Received: 06/16/06	rances who accepted the first of the second	en a di seri sa en escribenten en la para de en entre en entre en
GC Column: DB-624-30M ID: .53		Date Analyzed: 06/20/06	Time:	2030
Instrument ID: MSV0		Dilution Factor: 1	Analyst	: RJO
Soil Extract Volume:	( µL )			
Soil Aliquot Volume:	(µL)			
Number TICs Found: 0  CONCENTRATION UNITS: ug/L  CAS NO. COMPOUND		RT ES	T. CONC.	Q
1. No tics detected	<del>~</del>			T

Lab Name:	GCAL	Sample ID: Sh	C-GW62A	-1018	ing the state of t
Lab Code: L	A024 Case No.:	Contract			
SAS No.:	SDG No.: 206061509			2072	
Matrix: Wate		Lab Sample ID:			
	ten t in t meet t it is an object of the				
Sample wt/vol	: 1000 Units: mL	Date Collected:			: 1020
Level: (low/me	ed) LOW	Date Received:	06/15/0	6	hadisə arasının olun interiore ili ili ili ili ili ili ili ili ili il
% Moisture:	decanted: (Y/N)	Date Extracted:		c	n kanaga kanaga manangan kanaga k
GC Column:	DB-5MS-30M ID: .25 (mm)	Date Analyzed:	06/21/0		: 1732
	Extract Volume: 1000 (µL)				yst: JAR3
injection volur	ne: 1.0 (µL)				
GPC Cleanup:	(Y/N) N pH:			10 4.2	
		Instrument ID:	MSSV3		and the second second second
CONCENTRA	TION UNITS: ug/L			Analytical Ba	
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	Ų	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	Ú	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	Ų	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

Lab Name: GCAL		Sample ID:	SK-GW62A-	-1018	enovino e a como e o composição como do co
Lab Code: LA024 Case No.:		Contract:	and the second second second	anana Sagan, an paka 133 ang 14 s. ana 15	n Maria ( 1 ag. ) spins for spins application of a section of
SAS No.: SDG No.: 2	06061509	Lab File ID:	2060621/B2	072	1.4
Matrix: Water		Lab Sample II	D: 2060615	50901	
Sample wt/vol: 1000 Units: mL		Date Collected	1: 06/14/06	5 Time	1020
Level: (low/med) LOW		Date Received	I: 06/15/06	<b>3</b>	
% Moisture: decanted: (Y/N)		Date Extracted	f: 06/16/06	3	
GC Column: DB-5MS-30M ID: .25	(mm)	Date Analyzed	: 06/21/06	Time	: 1732
Concentrated Extract Volume: 1000	( µL )	Dilution Factor	: 1	Anal	yst: JAR3
Injection Volume: 1.0	( µL )	Prep Method:	OLM4.2 S	VOA	
GPC Cleanup: (Y/N) N pH:		Analytical Meth	nod: OLM	0 4.2	
		Instrument ID:	MSSV3	the of the section and the section of	
CONCENTRATION UNITS: ug/L		Prep Batch:	325847	Analytical Ba	itch: 326170
CAS NO. COMPOUND		RESULT	Q	MDL	RL
117-81-7 bis(2-ethylhexyl)phthalate		10.01.96	JB	0.010	10.0

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	0.01.96	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	Ü	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	Ü	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
37-86-5	Pentachlorophenol	25.0	U	0.010	25.0
35-01-8	Phenanthrene	10.0	Ú	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

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Lab Name: GCAL	Sample ID: SK-GW62A-1018
Lab Code: LA024 Case No.:	Contract:
SAS No.: SDG No.: 206061509	Lab File ID: 2060621/B2072
Matrix: Water	Lab Sample ID: 20606150901
Sample wt/vol: 1000 Units: mL	Date Collected: 06/14/06 Time: 1020
Level: (low/med) LOW	Date Received: 06/15/06
% Moisture: decanted: (Y/N)	Date Extracted: 06/16/06
GC Column: DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1732
Concentrated Extract Volume: 1000 ( µL )	Dilution Factor: 1 Analyst: JAR3
Injection Volume: 1.0 ( µL )	Prep Method: OLM4.2 SVOA
GPC Cleanup: (Y/N) N pH:	Analytical Method: OLMO 4.2
	Instrument ID: MSSV3
CONCENTRATION UNITS: ug/L	Prep Batch: 325847 Analytical Batch: 326170
CAS NO. COMPOUND	RESULT Q MDL RL
86-30-6 N-Nitrosodiphenylamine	10.0 U 0.010 10.0
95-48-7 o-Cresol	10.0 U 0.010 10.0

### 1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL	Sample ID: SK-GW62A-1018	
Lab Code: LA024 Case No.:	Contract:	_
SAS No.: SDG No.: 206061509		
Matrix: Water	Lab Sample ID: 20606150901	
Sample wt/vol: Units:	Date Collected: 06/14/06 Time: 1020	
Level: (low/med)	Date Received: 06/15/06	
% Moisture: not dec.	Date Extracted: 6/16/06	
GC Column: DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1732	
Concentrated Extract Volume: 1000 ( µL )	Dilution Factor: 1 Analyst: JAR3	
Injection Volume: 1.0 ( µL )	Prep Method: bim 4.2 SVSA	
GPC Cleanup: (Y/N) N pH:	Analytical Method: SW 846 8270C OLMO 4.2	
god a transition of the transmission of the state of the	Instrument ID: MSSV3	
Number TICs Found: 10		_ (_
	sinst	
CONCENTRATION UNITS:ug/L	<b>5</b> .	ηV
CONCENTRATION UNITS:ug/L CAS NO. COMPOUND	RT EST. CONC. Q	hv
		mv
CAS NO. COMPOUND	RT EST. CONC. Q	h.v.
CAS NO. COMPOUND  1. 110-82-7 Cyclohexane	RT EST. CONC. Q	hv
CAS NO. COMPOUND  1. 110-82-7 Cyclohexane 2. 2842-38-8 Ethanol, 2-(cyclohexylamino)-	RT         EST. CONC.         Q           .336         10.4           5.575         123	hi
CAS NO. COMPOUND  1. 110-82-7 Cyclohexane 2. 2842-38-8 Ethanol, 2-(cyclohexylamino)- 3. 994-05-8 Butane, 2-methoxy-2-methyl-	RT         EST. CONC.         Q           .336         10.4           5.575         123           .347         18.6	n <sup>v</sup>
CAS NO. COMPOUND  1. 110-82-7 Cyclohexane 2. 2842-38-8 Ethanol, 2-(cyclohexylamino)- 3. 994-05-8 Butane, 2-methoxy-2-methyl- 4. 21400-25-9 1-Propene, 1,1,2-trichloro-	RT         EST. CONC.         Q           .336         10.4           5.575         123           .347         18.6           1.139         3.27	n'
CAS NO. COMPOUND  1. 110-82-7 Cyclohexane 2. 2842-38-8 Ethanol, 2-(cyclohexylamino)- 3. 994-05-8 Butane, 2-methoxy-2-methyl- 4. 21400-25-9 1-Propene, 1,1,2-trichloro- 5. 111-46-6 Ethanol, 2,2'-oxybis-	RT         EST. CONC.         Q           .336         10.4           5.575         123           .347         18.6           1.139         3.27           1.286         4.03	Print
CAS NO. COMPOUND  1. 110-82-7 Cyclohexane 2. 2842-38-8 Ethanol, 2-(cyclohexylamino)- 3. 994-05-8 Butane, 2-methoxy-2-methyl- 4. 21400-25-9 1-Propene, 1,1,2-trichloro- 5. 111-46-6 Ethanol, 2,2'-oxybis- 6. 104-76-7 1-Hexanol, 2-ethyl-	RT     EST. CONC.     Q       .336     10.4       5.575     123       .347     18.6       1.139     3.27       1.286     4.03       1.655     4.14	hv
CAS NO. COMPOUND  1. 110-82-7 Cyclohexane 2. 2842-38-8 Ethanol, 2-(cyclohexylamino)- 3. 994-05-8 Butane, 2-methoxy-2-methyl- 4. 21400-25-9 1-Propene, 1,1,2-trichloro- 5. 111-46-6 Ethanol, 2,2'-oxybis- 6. 104-76-7 1-Hexanol, 2-ethyl- 7. 1679-49-8 2(3H)-Furanone, dihydro-4-meth	RT         EST. CONC.         Q           .336         10.4           5.575         123           .347         18.6           1.139         3.27           1.286         4.03           1.655         4.14           1.783         3.32	h <sub>v</sub>

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September 1

Lab Name: GCAL Sample ID: SK-GW06R-1018 Lab Code: LA024 Case No.: Contract: and the same of th Lab File ID: 2060621/B2073 SAS No.: SDG No.: 206061509 Lab Sample ID: 20606150902 Matrix: Water Sample wt/vol: 1000 Units: mL Date Collected: 06/13/06 Time: 1425 Level: (low/med) LOW Date Received: 06/15/06 Date Extracted: 06/16/06 % Moisture: decanted: (Y/N) Date Analyzed: 06/21/06 Time: 1747 GC Column: DB-5MS-30M ID: .25 (mm) Dilution Factor: 1 Analyst: JAR3 Concentrated Extract Volume: 1000 (µL) Prep Method: OLM4.2 SVOA ( µL ) Injection Volume: 1.0 Analytical Method: OLMO 4.2 GPC Cleanup: (Y/N) N pH: Instrument ID: MSSV3 CONCENTRATION UNITS: ug/L Prep Batch: 325847 Analytical Batch: 326170 CAS NO. **COMPOUND** RESULT MDL RL Q 95-95-4 0.010 2,4,5-Trichlorophenol 10.0 П 10.0 88-06-2 υ 10.0 2,4,6-Trichlorophenol 10.0 0.010 120-83-2 2,4-Dichlorophenol 10.0 Ū 0.010 10.0 51-28-5 25.0 U 0.010 25.0 2.4-Dinitrophenol 121-14-2 2,4-Dinitrotoluene 10.0 Ū 0.010 10.0 606-20-2 2,6-Dinitrotoluene 10.0 Ū 0.010 10.0 91-58-7 10.0 Ū 10.0 2-Chloronaphthalene 0.010 95-57-8 10.0 Ū 0.010 10.0 2-Chlorophenol 91-57-6 2-Methylnaphthalene 10.0 U 0.010 10.0 88-74-4 2-Nitroaniline 25.0 U 0.010 25.0 0.010 88-75-5 10.0 10.0 2-Nitrophenol U 91-94-1 3,3'-Dichlorobenzidine 10.0 Ū 0.010 10.0 99-39-2 25.0 Ü 0.010 25.0 3-Nitroaniline 534-52-1 2-Methyl-4,6-dinitrophenol 25.0 U 0.010 25.0 10.0 U 59-50-7 4-Chloro-3-methylphenol 0.010 10.0 106-47-8 4-Chloroaniline 10.0 U 0.010 10.0 7005-72-3 4-Chlorophenyl-phenylether 10.0 U 0.010 10.0 106-44-5 4-Methylphenol (p-Cresol) 10.0 Ū 0.010 10.0 83-32-9 Acenaphthene 10.0 U 0.010 10.0 208-96-8 10.0 U 10.0 Acenaphthylene 0.010 120-12-7 Anthracene 10.0 Ü 0.010 10.0 56-55-3 Benzo(a)anthracene 10.0 Ü 0.010 10.0 50-32-8 Ū Benzo(a)pyrene 10.0 0.010 10.0 205-99-2 10.0 U Benzo(b)fluoranthene 0.010 10.0 0.010 191-24-2 10.0 Ū 10.0 Benzo(g,h,i)perylene 207-08-9 Benzo(k)fluoranthene 10.0 U 0.010 10.0 111-91-1 Bis(2-Chloroethoxy)methane 10.0 Ū 0.010 10.0 111-44-4 Bis(2-Chloroethyl)ether 10.0 Ü 10.0 0.010 108-60-1 bis(2-Chloroisopropyl)ether 10.0 10.0 U 0.010

Sample ID: SK-GW06R-1018 Lab Name: GCAL Lab Code: LA024 Case No.: Contract: Lab File ID: 2060621/B2073 SDG No.: 206061509 SAS No.: Lab Sample ID: 20606150902 Matrix: Water Time: 1425 Date Collected: 06/13/06 Sample wt/vol: 1000 Units: mL Date Received: 06/15/06 Level: (low/med) LOW Date Extracted: 06/16/06 % Moisture: decanted: (Y/N) Time: 1747 Date Analyzed: 06/21/06 GC Column: DB-5MS-30M ID: .25 (mm) Dilution Factor: 1 Analyst: JAR3 Concentrated Extract Volume: 1000 ( µL ) Prep Method: OLM4.2 SVOA Injection Volume: 1.0 (µL) Analytical Method: OLMO 4.2 GPC Cleanup: (Y/N) N pH: Instrument ID: MSSV3 CONCENTRATION UNITS: ug/L Prep Batch: 325847 Analytical Batch: 326170 CAS NO. COMPOUND RESULT Q MDL RL10.0-1-13 0.010 u 117-81-7 bis(2-ethylhexyl)phthalate JB 10.0 Ũ 0.010 10.0 101-55-3 4-Bromophenyl-phenylether 10.0 Ū 85-68-7 Butylbenzylphthalate 10.0 0.010 10.0 86-74-8 10.0 Ū 0.010 10.0 Carbazole 218-01-9 10.0 Ù 0.010 10.0 Chrysene 84-74-2 10.0 Ũ 0.010 10.0 Di-n-butylphthalate 117-84-0 10.0 Ū 0.010 10.0 Di-n-octylphthalate 53-70-3 10.0 Ū 0.010 10.0 Dibenz(a,h)anthracene 10.0 132-64-9 Dibenzofuran Ú 0.010 10.0 10.0 Ū 84-66-2 Diethylphthalate 0.010 10.0 131-11-3 Dimethyl-phthalate 10.0 Ū 0.010 10.0

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105-67-9

206-44-0

86-73-7

118-74-1

87-68-3

77-47-4

67-72-1

193-39-5

78-59-1

91-20-3

100-C1-6

98-95-3

100-C2-7

87-86-5

85-01-8

108-95-2

129-00-0

621-64-7

2,4-Dimethylphenol

Hexachlorobenzene

Hexachlorobutadiene

Indeno(1,2,3-cd)pyrene

Hexachloroethane

Isophorone

Naphthalene

4-Nitroaniline

Nitrobenzene

4-Nitrophenol

Phenanthrene

Phenol

Pyrene

Pentachlorophenol

N-Nitroso-di-n-propylamine

Hexachlorocyclopentadiene

Fluoranthene

Fluorene

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Lab Name: GCAL	Sample ID: SK-GW06R-1018
Lab Code: LA024 Case No.:	Contract:
SAS No.: SDG No.: 206061	09 Lab File ID: 2060621/B2073
Matrix: Water	Lab Sample ID: 20606150902
Sample wt/vol: 1000 Units: mL	Date Collected: 06/13/06 Time: 1425
Level: (low/med) LOW	Date Received: 06/15/06
% Moisture: decanted: (Y/N)	Date Extracted: 06/16/06
GC Column: DB-5MS-30M ID: .25	mm) Date Analyzed: 06/21/06 Time: 1747
Concentrated Extract Volume: 1000	μL) Dilution Factor: 1 Analyst: JAR3
Injection Volume: 1.0	μL) Prep Method: OLM4.2 SVOA
GPC Cleanup: (Y/N) N pH:	Analytical Method: OLMO 4.2
	Instrument ID: MSSV3
CONCENTRATION UNITS: ug/L	Prep Batch: 325847 Analytical Batch: 326170
CAS NO. COMPOUND	RESULT Q MDL RL
86-30-6 N-Nitrosodiphenylamine	10.0 U 0.010 10.0
95-48-7 o-Cresol	10.0 U 0.010 10.0

16-169-5

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name: G	CAL		Sample ID: SK-	-GW06R-1018	(Marie Albertown) statisticky o statisticy gappy gapper high / Jurge, with Joseph To State ( m. 1980) from the Marie ( m.
Lab Code: LA	024 Case No.:	10 c4 Manager (Market)	Contract:		
	SDG No.: 206061		Lab File ID: 20		
					and a second control of the second control of the second control of the second control of the second control of
	Units:		Date Collected:	06/13/06	Time: 1425
	A RESIDENCE & MARIOTERISMON SHOULD ANALOGUE, MARIONERIS A MARIO AT MARIOTE MARIO SOCIAL STORM SHOWN FOR FOR FOR		Date Received:	06/15/06	eritrianismus, sikarikkankannassassa – ususaksinsuskirinkannyyyynyyyyyyyyy
	dec.		Date Extracted:	6/16/06	
	B-5MS-30M ID: .25		Date Analyzed:	06/21/06	Time: 1747
			Dilution Factor:	1	Analyst: JAR3
	e: 1.0			OLM 4.2	
	Y/N) N pH:		Analytical Metho	d: S <del>W-846 8270</del> C	01M0412
	with the many sequences up the first temperature with the second sequences will be set to second sequences with the second sequences with the second sequences will be set to second sequences with the second sequences will be second sequences with the second sequences will be second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the second sequences will be set to second sequences with the seco		Instrument ID:	MSSV3	Amount to the state of the same of the sam
Number TIC	s Found: 10		- 50	and the same of th	e/2312h
CONCENTA	RATION UNITS:ug/L				\$100 144
CAS NO.	COMPOUND		RT	EST. CON	C. Q
1. 110-82-7	Cyclohexane		.336	11.3	
2. 1003-41-4	4H-Thiopyran-4-one		5.515	21.2	
3. 994-05-8	Butane, 2-methoxy-2-methyl-		.347	20	
4 . 4023-39-6	Boranamine, N,N,1,1-tetraethyl		.954	.629	
5. 497-26-7	1,3-Dioxolane, 2-methyl-		1.607	.697	
6. 3274-29-1	Heptanoic acid, 2-ethyl-		2.073	.548	
7. 74367-33-2	Propanoic acid, 2-methyl-, 2,2		3.012	10.4	
8. 22058-71-5	Methylamine, N-(1-methylhexyli		3.764	.692	
9. 21678-54-6	Bicyclo[2.2.1]hept-5-ene-2,3-d		4.88	.672	
10. 10544-50-0	Sulfur, mol. (S8)		5.121	.572	

Lab Name:	GCAL	S	ample ID:	SK-GW07R	-1018	
Lab Code: L	A024 Case No.:					
SAS No.:	SDG No.: 206061509				2074	
Matrix: Wate	er	La	ab Sample I	D: 206061	50903	
Sample wt/vol	: 1000 Units: mL			ed: 06/13/0		: 1500
Level: (low/me		D	ata Peceiva	ed: 06/15/0	6	
•	,					
% Moisture:	decanted: (Y/N)	. Da	ate Extracte	ed: 06/16/0	6	خالف دام د المدار در العراقات بمالينسينيوري
GC Column:	D8-5MS-30M ID: .25 (mi	m) Da	ate Analyze	d: 06/21/0	6 Time	e: 1802
Concentrated	Extract Volume: 1000 (μ	L) Di	lution Facto	or: 1	Ana	lyst: JAR3
Injection Volun	ne: 1.0 (µI	-	ep Method:	OLM4.2 \$	SVOA	,
	(V/N) N 6H:	Ar	nalytical Me	thod: OLM	IO 4.2	
Of C Cleanop.	(17/4) 14 pri.		-	: MSSV3		
CONCENTRA	TION UNITS: ug/L			** **** ** *		
0.0	,,e., e,,,,e,	Pr	ep Batch:	325847	Analytical B	atch: 326170
CAS NO.	COMPOUND	R	ESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol		10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol		10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol		10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol		25.0	υ	0.010	25.0
121-14-2	2,4-Dinitrotoluene		10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene		10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene		10.0	U	0.010	10.0
95-57-8	2-Chlorophenol		10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene		10.0	U	0.010	10.0
88-74-4	2-Nitroaniline		25.0	U	0.010	25.0
86-75-5	2-Nitrophenol		10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine		10.0	U	0.010	10.0
99-09-2	3-Nitroaniline		25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol		25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol		10.0	U	0.010	10.0
106-47-3	4-Chloroaniline		10.0	U	0.010	10.0
70:05-72-3	4-Chlorophenyl-phenylether		10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)		10.0	U	0.010	10.0
83-32-9	Acenaphthene		10.0	U	0.010	10.0
208-96-8	Acenaphthylene		10.0	U	0.010	10.0
120-12-7	Anthracene		10.0	U	0.010	10.0
5€-55-3	Benzo(a)anthracene		10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene		10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene		10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene		10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene		10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane		10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether		10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropy()ether		10.0	U	0.010	10.0

Sample ID: SK-GW07R-1018 Lab Name: GCAL Contract: Lab Code: LA024 Case No.: SAS No.: SDG No.: 206061509 Lab File ID: 2060621/B2074 Matrix: Water Lab Sample ID: 20606150903 Time: 1500 Sample wt/vol: 1000 Units: mL Date Collected: 06/13/06 Date Received: 06/15/06 Level: (low/med) LOW decanted: (Y/N) Date Extracted: 06/16/06 % Moisture: Date Analyzed: 06/21/06 Time: 1802 (mm) GC Column: DB-5MS-30M ID: .25 Dilution Factor: 1 Analyst: JAR3 1000 ( µL ) Concentrated Extract Volume: Prep Method: OLM4.2 SVOA Injection Volume: 1.0 ( µL ) Analytical Method: OLMO 4.2 GPC Cleanup: (Y/N) N pH: Instrument ID: MSSV3

Prep Batch: 325847

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10,3.1.86	JB	0.010	10.0	- u
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0	
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0	
86-74-8	Carbazole	10.0	U	0.010	10.0	
218-01-9	Chrysene	10.0	U	0.010	10.0	
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0	$\neg$
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0	
132-64-9	Dibenzofuran	10.0	U	0.010	10.0	
84-66-2	Diethylphthalate	10.0	U	0.010	10.0	
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0	7
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0	
206-44-0	Fluoranthene	10.0	U	0.010	10.0	
86-73-7	Fluorene	10.0	U	0.010	10.0	7
113-74-1	Hexachlorobenzene	10.0	U	0.010	10.0	1
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0	7
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0	7
67-72-1	Hexachloroethane	10.0	U	0.010	10.0	7
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0	7
78-59-1	Isophorone	10.0	U	0.010	10.0	
91-20-3	Naphthalene	10.0	U	0.010	10.0	
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0	7
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	7
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	7
37-86-5	Pentachlorophenol	25.0	U	0.010	25.0	_
35-01-8	Phenanthrene	10.0	U	0.010	10.0	7
03-95-2	Phenol	10.0	U	0.010	10.0	7
29-00-0	Pyrene	10.0	U	0.010	10.0	7
521-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0	7

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Analytical Batch: 326170

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Lab Name: GCAL		Sample ID:	SK-GW07R-	1018	***
Lab Code: LA024 Case No.:		Contract:			
SAS No.: SDG No.:	206061509	Lab File ID: 2	2060621/B20	074	regards Pagenger Skyr. With
Matrix: Water	4.4.4	Lab Sample ID	2060615	0903	
Sample wt/vol: 1000 Units: mL		Date Collected	1: 06/13/06	5 Time	: 1500
Level: (low/med) LOW		Date Received	: 06/15/06		
% Moisture: decanted: (Y/N)		Date Extracted	: 06/16/06		
GC Column: DB-5MS-30M ID: .25	(mm)	Date Analyzed	: 06/21/06	Time	e: 1802
Concentrated Extract Volume: 1000	( µL )	Dilution Factor	: 1	Ana	lyst: JAR3
Injection Volume: 1.0	(µL)	Prep Method:	OLM4.2 S	VOA	
GPC Cleanup: (Y/N) N pH:		Analytical Meth	od: OLM	0 4.2	
		Instrument ID:	MSSV3		ethodologica delice e con transcriptor com tempo con con establisto.
CONCENTRATION UNITS: ug/L		Prep Batch:	325847	Analytical B	atch: 326170
CAS NO. COMPOUND		RESULT	Q	MDL	RL
86-30-6 N-Nitrosodiphenylamine		10.0	U	0.010	10.0
95-48-7 o-Cresol		10.0	U	0.010	10.0

### 1F

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL	Sample ID: SK-GW07R-1018
Lab Code: LA024 Case No.:	Contract:
SAS No.: SDG No.: 206061509	
Matrix: Water	Lab Sample ID: 20606150903
Sample wt/vol: Units:	Date Collected: 06/13/06 Time: 1500
Level: (low/med)	Date Received: 06/15/06
% Moisture: not dec.	Date Extracted: (a) (b) o b
GC Column: DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1802
. 10 4200000 (1000000 - 4 10 0000000000000000000000000	Dilution Factor: 1 Analyst: JAR3
Concentrated Extract Volume: $1000$ ( $\mu L$ ) Injection Volume: $1.0$ ( $\mu L$ )	Prep Method: OLM 4.2 Swa
	Analytical Method: SW 846 92700 OLW 04.72
GPC Cleanup: (Y/N) N pH:	Instrument ID: MSSV3
Number TICs Found: 10	
CONCENTRATION UNITS:ug/L	3/13/0 b
CAS NO. COMPOUND	RT EST. CONC. Q
1. 110-82-7 Cyclohexane	.333 10
2. 21678-54-6 Bicyclo[2.2.1]hept-5-ene-2,3-d	4.879 .661
3. 994-05-8 Butane, 2-methoxy-2-methyl-	.344 20.3
4. 75-09-2 Methylene Chloride	.792 .457
5 . 2439-13-6 Piperidine, 1,2,6-trimethyl-,	.951 .641
6. 21400-25-9 1-Propene, 1,1,2-trichloro-	1.139 2.62
7. 541-02-6 Cyclopentasiloxane, decamethyl	2.155 .47
8. 0-00-0 Phenol, 2-fluoro-4-nitro-	2.243 .306
9. 74367-33-2 Propanoic acid, 2-methyl-, 2,2	3.012 8.61
10 96346-76-8 trans-2-Methyl-4-hexen-3-ol	3.764 49

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Sample ID: SK-GW59-1018 Lab Name: GCAL Lab Code: LA024 Case No.: Contract: Lab File ID: 2060621/B2075 SAS No.: SDG No.: 206061509 Lab Sample ID: 20606150904 Matrix: Water Sample wt/vol: 1000 Date Collected: 06/14/06 Time: 0955 Units: mL Level: (low/med) LOW Date Received: 06/15/06 Date Extracted: 06/16/06 % Moisture: decanted: (Y/N) Date Analyzed: 06/21/06 Time: 1818 GC Column: DB-5MS-30M ID: .25 (mm) Dilution Factor: 1 Analyst: JAR3 Concentrated Extract Volume: 1000 ( µL ) Prep Method: OLM4.2 SVOA 1.0 ( µL ) Injection Volume: Analytical Method: OLMO 4.2 GPC Cleanup: (Y/N) N pH: Instrument ID: MSSV3 CONCENTRATION UNITS: ug/L. Prep Batch: 325847 Analytical Batch: 326170 CAS NO. **COMPOUND** RESULT MDL Q RL 95-95-4 Ũ 10.0 0.010 10.0 2,4,5-Trichlorophenol 88-06-2 2,4,6-Trichlorophenol 10.0 U 0.010 10.0 120-83-2 C 10.0 2,4-Dichlorophenol 10.0 0.010 51-28-5 2,4-Dinitrophenol 25.0 U 0.010 25.0 121-14-2 2,4-Dinitrotoluene 10.0 U 0.010 10.0 Ū 606-20-2 2,6-Dinitrotoluene 10.0 0.010 10.0 91-58-7 2-Chloronaphthalene 10.0 Ū 0.010 10.0 95-57-8 10.0 Ū 10.0 2-Chlorophenol 0.010 U 91-57-6 2-Methylnaphthalene 10.0 0.010 10.0 88-74-4 2-Nitroaniline 25.0 U 0.010 25.0 88-75-5 2-Nitrophenol 10.0 Ū 0.010 10.0 91-94-1 3,3'-Dichlorobenzidine 10.0 Ū 0.010 10.0 99-09-2 U 0.010 3-Nitroaniline 25.0 25.0 Ū 534-52-1 2-Methyl-4,6-dinitrophenol 25.0 0.010 25.0 59-50-7 4-Chloro-3-methylphenol 10.0 U 0.010 10.0 106-47-8 4-Chloroaniline 10.0 U 0.010 10.0 7C05-72-3 Ū 4-Chlorophenyl-phenylether 10.0 0.010 10.0 106-44-5 4-Methylphenol (p-Cresol) 10.0 Ū 0.010 10.0 83-32-9 Ū 10.0 0.010 10.0 Acenaphthene U 208-96-8 Acenaphthylene 10.0 0.010 10.0 Ú 120-12-7 Anthracene 10.0 0.010 10.0 56-55-3 10.0 Ū 0.010 10.0 Benzo(a)anthracene 5C-32-8 10.0 U 0.010 10.0 Benzo(a)pyrene 205-99-2 U Benzo(b)fluoranthene 10.0 0.010 10.0 191-24-2 Benzo(g,h,i)perylene 10.0 U 0.010 10.0 207-08-9 U Benzo(k)fluoranthene 10.0 0.010 10.0 111-91-1 10.0 Ū Bis(2-Chloroethoxy)methane 0.010 10.0 111-44-4 Ū Bis(2-Chloroethyl)ether 10.0 0.010 10.0 108-60-1 bis(2-Chloroisopropyl)ether 10.0 Ū 0.010 10.0

Lab Name: GCAL Sample ID: SK-GW59-1018 Case No.: Lab Code: LA024 Contract: SDG No.: 206061509 SAS No.: Lab File ID: 2060621/B2075 Matrix: Water Lab Sample ID: 20606150904 Sample wt/vol: 1000 Units: mL Date Collected: 06/14/06 Time: 0955 Level: (low/med) LOW Date Received: 06/15/06 decanted: (Y/N) Date Extracted 06/16/06 % Moisture: Date Analyzed: 06/21/06 Time: 1818 GC Column: DB-5MS-30M ID: .25 (mm) Dilution Factor: 1 Analyst: JAR3 Concentrated Extract Volume: 1000 ( µL ) Prep Method: OLM4.2 SVOA Injection Volume: 1.0  $(\mu L)$ Analytical Method: OLMO 4.2 GFC Cleanup: (Y/N) N pH: Instrument ID: MSSV3 and the second of the second of the second or the second o CONCENTRATION UNITS: ug/L Prep Batch: 325847 Analytical Batch: 326170 CAS NO. COMPOUND RESULT Q MDL, RL117-81-7 10.0, 1.05 0.010 u bis(2-ethylhexyl)phthalate JB 10.0 101-55-3 0.010 4-Bromophenyl-phenylether 10.0 U 10.0 Butylbenzylphthalate U 85-68-7 10.0 0.010 10.0 86-74-8 Carbazole 10.0 U 0.010 10.0 218-01-9 Chrysene 10.0 U 0.010 10.0 84-74-2 10.0 Ū Di-n-butylphthalate 0.010 10.0 117-84-0 Di-n-octylphthalate 10.0 U 0.010 10.0 53-70-3 10.0 Ū 0.010 10.0 Dibenz(a,h)anthracene 132-64-9 Dibenzofuran 10.0 Ū 0.010 10.0 84-66-2 Diethylphthalate 10.0 Ü 0.010 10.0 131-11-3 Dimethyl-phthalate 10.0 U 0.010 10.0 105-67-9 2,4-Dimethylphenol 10.0 U 0.010 10.0 206-44-0 10.0 U 0.010 10.0 Fluoranthene 86-73-7 Fluorene 10.0 U 0.010 10.0 118-74-1 Hexachlorobenzene 10.0 U 0.010 10.0 10.0 87-68-3 Hexachlorobutadiene U 0.010 10.0 77-47-4 10.0 U 0.010 10.0 Hexachlorocyclopentadiene 67-72-1 Hexachloroethane 10.0 Ü 0.010 10.0 193-39-5 Indeno(1,2,3-cd)pyrene 10.0 Ū 0.010 10.0 78-59-1 10.0 10.0 Isophorone Ū 0.010 91-20-3 10.0 0.010 10.0 Naphthalene U 100-01-6 4-Nitroaniline 25.0 U 0.010 25.0 98-95-3 Nitrobenzene 10.0 U 0.010 10.0 100-02-7 25.0 Ū 0.010 25.0 4-Nitrophenol 87-36-5 Pentachlorophenol 25.0 U 0.010 25.0 U 85-01-8 10.0 0.010 10.0 Phenanthrene 108-95-2 Phenol 10.0 U 0.010 10.0

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Pyrene

N-Nitroso-di-n-propylamine

10.0

10.0

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Lab Name: GCAL		Sample ID: SK-GW59-1018
Lab Code: LA024	Case No.:	Contract:
SAS No.:	SDG No.: 206061509	Lab File ID: 2060621/B2075
Matrix: Water		Lab Sample ID: 20606150904
Sample wt/vol: 1000	Units: mL	Date Collected: 06/14/06 Time: 0955
Level: (low/med) LOW		Date Received: 06/15/06
% Voisture:	decanted: (Y/N)	Date Extracted: 06/16/06
GC Column: DB-5MS-3	0M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1818
Concentrated Extract Vol	ume: 1000 (μL)	Dilution Factor: 1 Analyst; JAR3
Injection Volume:	1.0 (μL)	Prep Method: OLM4.2 SVOA
GPC Cleanup: (Y/N) N	pH:	Analytical Method: OLMO 4.2
		Instrument ID: MSSV3
CONCENTRATION UNIT	'S: ug/L	Prep Batch: 325847 Analytical Batch: 326170
CAS NO. COMP	OUND	RESULT Q MDL RL
86-30-6 N-Nitros	sodiphenylamine	10.0 U 0.010 10.0
95-48-7 o-Creso		10.0 U 0.010 10.0

### 1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL	Sample ID: SK-GW59-1018
Lab Code: LA024 Case No.:	Contract:
SAS No.: SDG No.: 206061509	Lab File ID: 2060621/B2075
Matrix: Water	Lab Sample ID: 20606150904
Sample wt/vol: Units:	Date Collected: 06/14/06 Time: 0955
Level: (low/med)	Date Received: 06/15/06
% Moisture: not dec.	Date Extracted: 6/16/06
GC Column: DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1818
Concentrated Extract Volume: 1000 (µL)	Dilution Factor: 1 Analyst: JAR3
Injection Volume: 1.0 (µL)	Prep Method: OLM 4.2 SN 3 A
GPC Cleanup: (Y/N) N pH:	Analytical Method: 8 <del>W-846 8270</del> C OLM o4.7
The state of the s	Instrument ID: MSSV3
Number TICs Found: 10	2/23/06 (ns
Number TICs Found: 10 CONCENTRATION UNITS:ug/L	
CONCENTRATION UNITS:ug/L	Specific the
CONCENTRATION UNITS:ug/L  CAS NO. COMPOUND  1. 110-82-7 Cyclohexane 2. 2439-13-6 Piperidine, 1,2,6-trimethyl-,	RT EST. CONC. Q
CONCENTRATION UNITS:ug/L  CAS NO. COMPOUND  1. 110-82-7 Cyclohexane	RT EST. CONC. Q  .335 10.3
CONCENTRATION UNITS:ug/L  CAS NO. COMPOUND  1. 110-82-7 Cyclohexane 2. 2439-13-6 Piperidine, 1,2,6-trimethyl-,	RT EST. CONC. Q  335 10.3 5.557 118
CONCENTRATION UNITS:ug/L  CAS NO. COMPOUND  1. 110-82-7 Cyclohexane 2. 2439-13-6 Piperidine, 1,2,6-trimethyl-, 3. 994-05-8 Butane, 2-methoxy-2-methyl-	RT EST. CONC. Q    .335   10.3
CONCENTRATION UNITS:ug/L  CAS NO. COMPOUND  1. 110-82-7 Cyclohexane 2. 2439-13-6 Piperidine, 1,2,6-trimethyl-, 3. 994-05-8 Butane, 2-methoxy-2-methyl- 4. 123-91-1 1,4-Dioxane	RT EST. CONC. Q    .335   10.3
CONCENTRATION UNITS:ug/L  CAS NO. COMPOUND  1. 110-82-7 Cyclohexane 2. 2439-13-6 Piperidine, 1,2,6-trimethyl-, 3. 994-05-8 Butane, 2-methoxy-2-methyl- 4. 123-91-1 1,4-Dioxane 5. 104-76-7 1-Hexanol, 2-ethyl-	RT EST. CONC. Q    .335
CONCENTRATION UNITS:ug/L  CAS NO. COMPOUND  1. 110-82-7 Cyclohexane 2. 2439-13-6 Piperidine, 1,2,6-trimethyl-, 3. 994-05-8 Butane, 2-methoxy-2-methyl- 4. 123-91-1 1,4-Dioxane 5. 104-76-7 1-Hexanol, 2-ethyl- 6. 105-60-2 Caprolactam	RT EST. CONC. Q    .335
CONCENTRATION UNITS:ug/L  CAS NO. COMPOUND  1. 110-82-7 Cyclohexane 2. 2439-13-6 Piperidine, 1,2,6-trimethyl-, 3. 994-05-8 Butane, 2-methoxy-2-methyl- 4. 123-91-1 1,4-Dioxane 5. 104-76-7 1-Hexanol, 2-ethyl- 6. 105-60-2 Caprolactam 7. 78-26-2 1,3-Propanediol, 2-methyl-2-pr	RT EST. CONC. Q    .335

Lab Name:	GCAL	Sample ID: SK-GW64-1018	
Lab Code: L	A024 Case No.:	Contract:	
SAS No.:	SDG No.: 206061509		
Matrix: Wate		Lab Sample ID: 20606150905	
		and the state of the control of the state of	
Sample wivol	: 1000 Units: mL	Date Collected: 06/14/06 Time: 1040	
Level (low/me	d) LOW	Date Received: 06/15/06	
% Moisture:	decanted: (Y/N)	Date Extracted: 06/16/06	
GC Column:	DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1833	
Concentrated	Extract Volume: 1000 ( µL )	Dilution Factor: 1 Analyst: JAR3	
	ne: 1.0 (µL)	Prep Method: OLM4.2 SVOA	
GPC Cleanup.	(Y/N) N ρH.	Analytical Method: OLMO 4.2	
CONCENTRA	TION UNITS: ug/L	Instrument ID: MSSV3	
CONCENTRA	HON ONTS. ug/L	Prep Batch: 325847 Analytical Batch: 326170	
CAS NO.	COMPOUND	RESULT Q MDL RL	
95-95-4	2,4,5-Trichlorophenol	10.0 U 0.010 10.0	_
88-06-2	2,4,6-Trichlorophenol	10.0 U 0.010 10.0	$\Box$
120-83-2	2,4-Dichlorophenol	10.0 U 0.010 10.0	
51-28-5	2,4-Dinitrophenol	25.0 U 0.010 25.0	
121-14-2	2,4-Dinitrotoluene	10.0 U 0.010 10.0	
603-20-2	2,6-Dinitrotoluene	10.0 U 0.010 10.0	
91-58-7	2-Chloronaphthalene	10.0 U 0.010 10.0	
95-57-8	2-Chlorophenol	10.0 U 0.010 10.0	$\neg$
91-57-6	2-Methylnaphthalene	10.0 U 0.010 10.0	$\neg$
88-74-4	2-Nitroaniline	25.0 U 0.010 25.0	
88-75-5	2-Nitrophenol	10.0 U 0.010 10.0	$\neg$
91-94-1	3,3'-Dichlorobenzidine	10.0 U 0.010 10.0	
99-09-2	3-Nitroaniline	25.0 U 0.010 25.0	
534-52-1	2-Methyl-4,6-dinitrophenol	25.0 U 0.010 25.0	$\neg$
59-50-7	4-Chloro-3-methylphenol	10.0 U 0.010 10.0	
106-47-8	4-Chloroaniline	10.0 U 0.010 10.0	$\neg$
7005-72-3	4-Chlorophenyl-phenylether	10.0 U 0.010 10.0	
106-44-5	4-Methylphenol (p-Cresol)	10.0 U 0.010 10.0	
83-32-9	Acenaphthene	10.0 U 0.010 10.0	
208-96-8	Acenaphthylene	10.0 U 0.010 10.0	
120-12-7	Anthracene	10.0 U 0.010 10.0	
56-55-3	Benzo(a)anthracene	10.0 U 0.010 10.0	
50-32-8	Benzo(a)pyrene	10.0 U 0.010 10.0	
205-99-2	Benzo(b)fluoranthene	10.0 U 0.010 10.0	
191-24-2	Benzo(g,h,i)perylene	10.0 U 0.010 10.0	
207-08-9	Benzo(k)fluoranthene	10.0 U 0.010 10.0	
111-91-1	Bis(2-Chloroethoxy)methane	10.0 U 0.010 10.0	
111-44-4	Bis(2-Chloroethyl)ether	10.0 U 0.010 10.0	
108-60-1	bis(2-Chloroisopropyl)ether	10.0 U 0.010 10.0	-7

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Lab Name: GCAL Sample ID: SK-GW64-1018 Contract: Case No.: Lab Code: LA024 Lab File ID: 2060621/B2076 SAS No.: SDG No.: 206061509 Matrix: Water Lab Sample ID: 20606150905 Time: 1040 Date Collected: 06/14/06 Sample wt/voi: 1000 Units: mL Level: (low/med) LOW Date Received: 06/15/06 Date Extracted: 06/16/06 % Mosture: decanted: (Y/N) Date Analyzed: 06/21/06 Time: 1833 GC Column: DB-5MS-30M ID: .25 (mm) Concentrated Extract Volume: 1000 Dilution Factor: 1 Analyst: JAR3 (µL) Prep Method: OLM4.2 SVOA Injection Volume: 1.0 (µL) Analytical Method: OLMO 4.2 GPC Cleanup; (Y/N) N pH: Instrument ID: MSSV3 CONCENTRATION UNITS: ug/L Prep Batch: 325847 Analytical Batch: 326170 CAS NO. COMPOUND RESULT MDL RL10.0-2.01 u 117-81-7 bis(2-ethylhexyl)phthalate JB 0.010 10.0 10.0 101-55-3 4-Bromophenyl-phenylether 11 0.010 10.0 85-68-7 Butylbenzylphthalate 10.0 Ū 0.010 10.0 86-74-8 Carbazole 10.0 Ū 0.010 10.0 10.0 Ų 10.0 218-01-9 Chrysene 0.010 10.0 Ū 0.010 10.0 84-74-2 Di-n-butylphthalate 117-84-0 10.0 Ū 0.010 10.0 Di-n-octylphthalate 53-70-3 Dibenz(a,h)anthracene 10.0 U 0.010 10.0 10.0 10.0 132-64-9 Dibenzofuran Ü 0.010 84-66-2 10.0 Ū 10.0 Diethylphthalate 0.010 131-11-3 10.0 Ū 10.0 0.010 Dimethyl-phthalate 10.0 105-67-9 2,4-Dimethylphenol Ū 0.010 10.0 2()6-44-0 10.0 0.010 10.0 Fluoranthene IJ 86-73-7 10.0 Ū 0.010 10.0 Fluorene 1 8-74-1 10.0 10.0 U 0.010 Hexachlorobenzene 87-68-3 Hexachlorobutadiene 10.0 Ū 0.010 10.0 77-47-4 Hexachlorocyclopentadiene 10.0 11 0.010 10.0 67-72-1 10.0 Ū 0.010 10.0 Hexachloroethane 193-39-5 Indeno(1,2,3-cd)pyrene 10.0 Ū 0.010 10.0 78-59-1 10.0 П 0.010 10.0 Isophorone 91-20-3 Naphthalene 10.0 Ū 0.010 10.0 25.0 Ū 25.0 100-01-6 4-Nitroaniline 0.010 98-95-3 10.0 Ū 0.010 10.0 Nitrobenzene 25.0 Ū 100-02-7 0.010 25.0 4-Nitrophenol 25.0 Ū 87-86-5 Pentachlorophenol 0.010 25.0 8:5-01-8 Phenanthrene 10.0 U 0.010 10.0 108-95-2 Phenol 10.0 Ū 0.010 10.0 129-00-0 10.0 Ū 0.010 10.0 Pyrene

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621-64-7

N-Nitroso-di-n-propylamine

8/15/06

10.0

0.010

10.0

Lab Name: GCAL		tion with the	Sample ID: 3	SK-GW64-1	018	explanes makes make some other orders of may be some for a first
Lab Code: LA024	Case No.:		Contract:		NAMES AND ADMINISTRAÇÃO DE POSTA DE LA CONTRACTOR DE LA C	and the second s
SAS No.:	SDG No.: 206	061509	Lab File ID: 2	2060621/B20	076	
Matrix: Water			Lab Sample ID	2060615	0905	
Sample wt/vol: 1000	Units: mL		Date Collected	: 06/14/06	5 Time:	1040
Level: (low/med) LOV			Date Received	: 06/15/06	}	again a da sa
% Moisture:	decanted: (Y/N)		Date Extracted	: 06/16/06	}	
GC Column: DB-5MS-	30M ID: .25	(mm)	Date Analyzed	: 06/21/06	Time	: 1833
Concentrated Extract Vo	lume: 1000	( µL )	Dilution Factor	: 1	Anal	yst; JAR3
Injection Volume:	1.0	( µL )	Prep Method:	OLM4.2 S	VOA	
GPC Cleanup: (Y/N)	V pH:		Analytical Meth	od: OLM	0 4.2	
			Instrument ID:	MSSV3		
CONCENTRATION UNI	TS: ug/L		Prep Batch:	325847	Analytical Ba	atch: 326170
CAS NO. COMP	POUND		RESULT	Q	MDL	RL
86-30-6 N-Nitro	osodiphenylamine		10.0	U	0.010	10.0
95-48-7 o-Cres	ol		10.0	U	0.010	10.0

### 1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Liab Name: GCAL	Sample ID: SK-GW64-1018
Lab Code: LA024 Case No.:	Contract:
SAS No.: SDG No.: 206061509	
Matrix: Water	Lab Sample ID: 20606150905
Sample wt/vol: Units:	Date Collected: 06/14/06 Time: 1040
Level: (low/med)	Date Received: 06/15/06
% Moisture: not dec.	Date Extracted: 6/16/06
GC Column: DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1833
Concentrated Extract Volume: 1000 (µL)	Dilution Factor: 1 Analyst: JAR3
Injection Volume: 1.0 (µL)	Prep Method: OLM 04:2 SUNK
GPC Cleanup: (Y/N) N pH:	Analytical Method: SW 846 8270C OLMO 4.2
and the company and an additional the second of the second	Instrument ID: MSSV3
Number TICs Found: 10	THE STATE OF THE S
CONCENTRATION UNITS:ug/L	
CAS NO. COMPOUND	RT EST. CONC. Q
1. 110-82-7 Cyclohexane	.333 10.4
2. 0-00-0 2-Ethyl-3-methylcyclopentene	7.658 39.5
3. 994-05-8 Butane, 2-methoxy-2-methyl-	.344 11.2
4. 18707-60-3 2-Butenoic acid, methyl ester	1.079 3.49
5. 74381-40-1 Propanoic acid, 2-methyl-, 1-(	3.012 9.67
6. 57-10-3 Hexadecanoic acid	4.766 2.86
7. 42786-04-9 1H-1,2,4-Triazol-3-amine, 1-et	5.513 30.8
8. 4549-12-6 1-Naphthalenepropanol, .alpha.	7.000
	7.326 8.02
9. 7144-08-3 Cholest-5-en-3-ol (3.beta.)-,	7.326 8.02

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Lab Name: GCAL Sample ID: SK-GW60-1018 Case No.: Lab Code: LA024 Contract: Lab File ID: 2060621/B2077 SAS No.: SDG No.: 206061509 Matrix: Water Lab Sample ID: 20606150906 Sample wt/vol: 870 Units: mL Date Collected: 06/14/06 Time: 1005 Level. (low/med) LOW Date Received: 06/15/06 % Moisture: decanted: (Y/N) Date Extracted: 06/16/06 Date Analyzed: 06/21/06 Time: 1849 GC Column: DB-5MS-30M ID: .25 (mm) Dilution Factor: 1 Analyst: JAR3 Concentrated Extract Volume: 1000 ( µL ) Prep Method: OLM4.2 SVOA Injection Volume: 1.0 ( µL ) Analytical Method: OLMO 4.2 GPC Cleanup: (Y/N) N pH: Instrument ID: MSSV3 CONCENTRATION UNITS: ug/L Prep Batch: 325847 Analytical Batch: 326170 CAS NO. COMPOUND RESULT Q MDL RL95-95-4 2,4,5-Trichlorophenol 11.5 U 0.011 11.5 88-06-2 U 2,4,6-Trichlorophenol 11.5 0.011 11.5 120-83-2 11.5 Ū 0.011 11.5 2,4-Dichlorophenol 51-28-5 28.7 U 28.7 2,4-Dinitrophenol 0.011 121-14-2 2,4-Dinitrotoluene U 0.011 11.5 11.5 606-20-2 2.6-Dinitrotoluene 11.5 Ū 0.011 11.5 91-58-7 Ū 0.011 11.5 2-Chloronaphthalene 11.5 95-57-8 Ū 11.5 2-Chlorophenol 11.5 0.011 91-57-6 Ū 11.5 2-Methylnaphthalene 11.5 0.011 88-74-4 2-Nitroaniline 28.7 Ū 0.011 28.7 88-75-5 2-Nitrophenol 11.5 U 0.011 11.5 91-94-1 3,3'-Dichlorobenzidine Ū 11.5 11.5 0.011 99-09-2 3-Nitroaniline 28.7 U 0.011 28.7 534-52-1 2-Methyl-4,6-dinitrophenol 28.7 U 0.011 28.7 59-50-7 4-Chloro-3-methylphenol 11.5 U 0.011 11.5 106-47-8 4-Chloroaniline 11.5 Ū 0.011 11.5 7005-72-3 4-Chlorophenyl-phenylether 11.5 11.5 Ū 0.011 10€-44-5 11.5 4-Methylphenol (p-Cresol) 11.5 U 0.011 83-32-9 Acenaphthene 11.5 Ū 0.011 11.5 208-96-8 Acenaphthylene 11.5 U 0.011 11.5 120-12-7 Anthracene 11.5 Ū 0.011 11.5 56-55-3 Benzo(a)anthracene 11.5 Ū 0.011 11.5 50-32-8 U Benzo(a)pyrene 11.5 0.011 11.5 205-99-2 Benzo(b)fluoranthene 11.5 U 0.011 11.5 191-24-2 Benzo(g,h,i)perylene 11.5 U 0.011 11.5 207-08-9 Benzo(k)fluoranthene 11.5 U 0.011 11.5 111-91-1 Bis(2-Chloroethoxy)methane 11.5 U 0.011 11.5 U 111-44-4 11.5 0.011 11.5 Bis(2-Chloroethyl)ether 108-60-1 bis(2-Chloroisopropyl)ether 11.5 Ü 0.011 11.5

Sample ID: SK-GW60-1018 Lab Name: GCAL Lab Code: LA024 Case No.: Contract: المحاجبة والمناج والمتحارض والمتحارض المستورية والمتحارض المحاجم المحاجبة المتحارض ا Lab File ID: 2060621/B2077 SAS No.: SDG No.: 206061509 Matrix: Water Lab Sample ID: 20606150906 Date Collected: 06/14/06 Time: 1005 Units: mL Sample wt/vol: 870 Level: (low/med) LOW Date Received: 06/15/06 decanted (Y/N) % Mo:sture: Date Extracted: 06/16/06 Date Analyzed: 06/21/06 Time: 1849 GC Column: DB-5MS-30M ID: .25 (mm) Dilution Factor: 1 Analyst: JAR3 Concentrated Extract Volume: 1000 ( µL ) Prep Method: OLM4.2 SVOA Injection Volume: 1.0 ( µL ) Analytical Method: OLMO 4.2 GF'C Cleanup: (Y/N) N pH: Instrument ID: MSSV3 The second of the second and according to the second of th CONCENTRATION UNITS: ug/L Prep Batch: 325847 Analytical Batch: 326170 CAS NO. COMPOUND RESULT Q MDL RL 117-81-7 10,01,28 bis(2-ethylhexyl)phthalate JB 0.011 11.5 u101-55-3 4-Bromophenyl-phenylether 11.5 U 0.011 11.5 85-68-7 Butylbenzylphthalate 11.5 Ū 0.011 11.5 86-74-8 11.5 U 0.011 Carbazole 11.5 213-01-9 11.5 U 0.011 11.5 Chrysene 84-74-2 Ū Di-n-butylphthalate 11.5 0.011 11.5 117-84-0 11.5 U 0.011 Di-n-octylphthalate 11.5 53-70-3 Dibenz(a,h)anthracene 11.5 Ū 0.011 11.5 132-64-9 Dibenzofuran 11.5 U 0.011 11.5 84-66-2 Diethylphthalate 11.5 Ū 0.011 11.5 131-11-3 11.5 U Dimethyl-phthalate 0.011 11.5 105-67-9 2,4-Dimethylphenol 11.5 U 0.011 11.5 206-44-0 Fluoranthene 11.5 U 0.011 11.5 86-73-7 11.5 Ū 0.011 11.5 Fluorene 118-74-1 Ũ 11.5 0.011 11.5 Hexachlorobenzene 87-68-3 11.5 Ū 0.011 11.5 Hexachiorobutadiene 77-47-4 Ū Hexachlorocyclopentadiene 11.5 0.011 11.5 67-72-1 Hexachloroethane 11.5 Ū 0.011 11.5 193-39-5 Indeno(1,2,3-cd)pyrene 11.5 U 0.011 11.5 78-59-1 11.5 Ū 0.011 11.5 Isophorone 11.5 91-20-3 Naphthalene U 0.011 11.5 28.7 10()-01-6 4-Nitroaniline U 0.011 28.7 98-95-3 Nitrobenzene 11.5 Ū 0.011 11.5 28.7 Ü 0.011 28.7 100-02-7 4-Nitrophenol 87-86-5 28.7 Ū 0.011 Pentachlorophenol 28.7 85-01-8 Phenanthrene 11.5 U 0.011 11.5 108-95-2 Phenol 11.5 U 0.011 11.5

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129-00-0

621-64-7

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Pyrene

N-Nitroso-di-n-propylamine

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Lab Name: GCAL		Sample ID:	SK-GW60-1	018	
Lab Code: LA024 Case No.	:	Contract:			
SAS No.: SDG No	o.: 206061509	Lab File ID:	2060621/B20	77	
Matrix: Water		Lab Sample I	D: 2060615	60906	
Sample wt/vol: 870 Units: mL		Date Collected	d: 06/14/06	5 Time	: 1005
Level: (low/med) LOW		Date Received	d: 06/15/06	, 	
% Moisture: decanted: (Y/	N)	Date Extracted	1: 06/16/06		
GC Column: DB-5MS-30M ID:	.25 (mm)	Date Analyzed	: 06/21/06	Time	e: 1849
Concentrated Extract Volume: 1000	( µL )	Dilution Factor	: 1	Anal	yst: JAR3
Injection Volume: 1.0	( µL )	Prep Method:	OLM4.2 S	VOA	a magazinin in historia and and an enter some
GPC Cleanup: (Y/N) N pH:	·	Analytical Meth	nod: OLM	O 4.2	anagla Maria - sarah sarah sarah garan anga Parthiro Sangar Parthir Sangar
		Instrument ID:	MSSV3		and the second s
CONCENTRATION UNITS: ug/L		Prep Batch:	325847	Analytical Ba	atch: 326170
CAS NO. COMPOUND		RESULT	Q	MDL	RL
86-30-6 N-Nitrosodiphenylamine		11.5	U	0.011	11.5
95-48-7 o-Cresol		11.5	U	0.011	11.5

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL	Sample ID: SK-GW60-1018			
Lab Code: LA024 Case No.:	Contract:			
SAS No.: SDG No.: 206061509				
Matrix: Water	Lab Sample ID: 20606150906			
Sample wt/vol: Units:	Date Collected: 06/14/06 Time: 1005			
Level: (low/med)	Date Received: 06/15/06			
% Moisture: not dec.	Date Extracted: しんしんしゅ			
GC Column: DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1849			
Concentrated Extract Volume: 1000 (µL)	Dilution Factor: 1 Analyst: JAR3			
Injection Volume: 1.0 ( µL )	Prep Method: OLN, 4.2 Svok			
GPC Cleanup: (Y/N) N pH:	Analytical Method: SW-846.8279C のいべっなって			
Also -01000 de 1000 to Los your annotes a Los your a	Instrument ID: MSSV3			
Number TICs Found: 9		6-		
CONCENTRATION UNITS:ug/L	४(२३)०	mice		
CAS NO. COMPOUND	RT EST. CONC. Q			
1. 110-82-7 Cyclohexane	.336 12.6			
2. 60766-00-9 Butenol, methyl-	1.079 1.59			
3. 18495-30-2 Propane, 1,1,2,3-tetrachloro-	1.139 4.96			
4. 5441-52-1 Cyclohexanol, 3,5-dimethyl-	2.544 6.58			
5. 398-23-2 1,1'-Biphenyl, 4,4'-difluoro-	3.06 1.86			
6. 55255-90-8 5-Azulenemethanol, 1,2,3,3a,4,	3.134 1.15			
7. 62016-37-9 Octane, 2,4,6-trimethyl-	4.02 1.9			
8. 112-39-0 Hexadecanoic acid, methyl este	4.675 1.65			
9 5129-61-3 Heptadecanoic acid, 16-methyl-	5.163 3.8			

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Lab Name: GCAL Sample ID: SK-GW61-1018 Lab Code: LA024 Case No.: Contract: Lab File ID: 2060621/B2078 SDG No.: 206061509 SAS No.: Matrix: Water Lab Sample ID: 20606150914 Units: mL Sample wt/vol: 1000 Time: 1425 Date Collected: 06/14/06 Level: (low/med) LOW Date Received: 06/16/06 Date Extracted: 06/16/06 % Voisture: decanted: (Y/N) Time: 1904 Date Analyzed: 06/21/06 GC Column: DB-5MS-30M ID: .25 (mm) Dilution Factor: 1 Analyst: JAR3 Concentrated Extract Volume: 1000 ( µL ) Prep Method: OLM4.2 SVOA Injection Volume: 1.0 ( µL ) Analytical Method: OLMO 4.2 pH: GFC Cleanup: (Y/N) N Instrument ID: MSSV3 CONCENTRATION UNITS: ug/L Prep Batch: 325847 Analytical Batch: 326170 CAS NO. **COMPOUND** RESULT MDL RL Q 95-95-4 2,4,5-Trichlorophenol 10.0 U 0.010 10.0 88-06-2 U 2,4,6-Trichlorophenol 10.0 0.010 10.0 120-83-2 2.4-Dichlorophenol 10.0 Ü 0.010 10.0 51-28-5 2,4-Dinitrophenoi 25.0 U 0.010 25.0 121-14-2 2.4-Dinitrotoluene 10.0 Ū 0.010 10.0 606-20-2 2.6-Dinitrotoluene 10.0 Ū 0.010 10.0 91-58-7 2-Chloronaphthalene 10.0 U 0.010 10.0 95-57-8 2-Chlorophenol 10.0 U 0.010 10.0 91-57-6 2-Methylnaphthalene 10.0 U 0.010 10.0 88-74-4 2-Nitroaniline 25.0 Ū 0.010 25.0 88-75-5 Ū 2-Nitrophenol 10.0 0.010 10.0 91-94-1 3,3'-Dichlorobenzidine U 10.0 0.010 10.0 99-09-2 3-Nitroaniline 25.0 Ū 25.0 0.010 534-52-1 2-Methyl-4,6-dinitrophenol 25.0 Ū 0.010 25.0 59-50-7 U 4-Chloro-3-methylphenol 10.0 0.010 10.0 106-47-8 U 0.010 10.0 4-Chloroaniline 10.0 7005-72-3 4-Chlorophenyl-phenylether 10.0 Ù 0.010 10.0 106-44-5 4-Methylphenol (p-Cresol) 10.0 U 0.010 10.0 83-32-9 10.0 10.0 Acenaphthene U 0.010 208-96-8 Acenaphthylene 10.0 Ū 0.010 10.0 120-12-7 Anthracene 10.0 U 0.010 10.0 56-55-3 Ū Benzo(a)anthracene 10.0 0.010 10.0 50-32-8 10.0 U 0.010 10.0 Benzo(a)pyrene 205-99-2 10.0 U 10.0 Benzo(b)fluoranthene 0.010 191-24-2 Benzo(g,h,i)perylene 10.0 Ü 0.010 10.0 207-08-9 Benzo(k)fluoranthene 10.0 Ū 0.010 10.0 11'-91-1 Bis(2-Chloroethoxy)methane 10.0 U 0.010 10.0 11 -44-4 Bis(2-Chloroethyl)ether 10.0 U 0.010 10.0 108-60-1 bis(2-Chloroisopropyl)ether 10.0 U 0.010 10.0

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GCAL Sample ID: SK-GW61-1018 Lab Name: Lab Code: LA024 Case No.: Contract: SAS No.: Lab File ID: 2060621/B2078 SDG No.: 206061509 Matrix: Water Lab Sample iD: 20606150914 Time: 1425 Sample wt/vol: 1000 Units: mL Date Collected: 06/14/06 Level: (low/med) LOW Date Received: 06/16/06 % Moisture: decanted: (Y/N) Date Extracted: 06/16/06 Date Analyzed: 06/21/06 Time: 1904 GC Column: DB-5MS-30M ID: .25 (mm) Dilution Factor: 1 Analyst: JAR3 Concentrated Extract Volume: 1000 ( µL ) Prep Method: OLM4.2 SVOA Injection Volume: 1.0 ( µL ) Analytical Method: OLMO 4.2 GPC Cleanup: (Y/N) N pH: Instrument ID: MSSV3

Prep Batch: 325847

Analytical Batch: 326170

CCNCENTRATION UNITS: ug/L

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CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0,208	JB	0.010	10.0	$\exists i$
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0	┨`
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0	
86-74-8	Carbazole	10.0	U	0.010	10.0	٦
218-01-9	Chrysene	10.0	U	0.010	10.0	
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0	7
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	7
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0	7
132-64-9	Dibenzofuran	10.0	U	0.010	10.0	
84-66-2	Diethylphthalate	10.0	U	0.010	10.0	7
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0	7
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0	7
206-44-0	Fluoranthene	10.0	U	0.010	10.0	7
36-73-7	Fluorene	10.0	U	0.010	10.0	1
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0	1
37-68-3	Hexachlorobutadiene	10.0	Ū	0.010	10.0	7
77-47-4	Hexachlorocyclopentadiene	10.0	Ų	0.010	10.0	7
67-72-1	Hexachloroethane	10.0	Ü	0.010	10.0	7
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0	7
78-59-1	Isophorone	10.0	U	0.010	10.0	7
91-20-3	Naphthalene	10.0	U	0.010	10.0	7
00-01-6	4-Nitroaniline	25.0	U	0.010	25.0	7
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	٦
00-02-7	4-Nitrophenol	25.0	U	0.010	25.0	1
37-86-5	Pentachlorophenol	25.0	U	0.010	25.0	1
5-01-8	Phenanthrene	10.0	U	0.010	10.0	1
08-95-2	Phenol	10.0	U	0.010	10.0	1
29-00-0	Pyrene	10.0	U	0.010	10.0	1
21-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0	1

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Lab Name: GCAL	Sample ID: SK-GW61-1018
Lab Code: LA024 Case No.:	Contract:
SAS No: SDG No.: 206061509	Lab File ID: 2060621/B2078
Matrix: Water	Lab Sample ID: 20606150914
Sample wt/vol: 1000 Units: mL	Date Collected: 06/14/06 Time: 1425
Level: (low/med) LOW	Date Received: 06/16/06
% Moisture: decanted: (Y/N)	Date Extracted: 06/16/06
GC Column: DB-5MS-30M ID: .25 (mm	) Date Analyzed: 06/21/06 Time: 1904
Concentrated Extract Volume: 1000 ( µL	) Dilution Factor: 1 Analyst: JAR3
Injection Volume: 1.0 (μL	) Prep Method: OLM4.2 SVOA
GPC Cleanup: (Y/N) N pH:	Analytical Method: OLMO 4.2
	Instrument ID: MSSV3
CONCENTRATION UNITS: ug/L	Prep Batch: 325847 Analytical Batch: 326170
CAS NO. COMPOUND	RESULT Q MDL RL
86-30-6 N-Nitrosodiphenylamine	10.0 U 0.010 10.0
95-48-7 o-Cresol	10.0 U 0.010 10.0

### 1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL		Sample ID: SK-GW61-1018			
Lab C	ode: LAC	024 Case No.:	Contract:		entiral yak . Ministrialiya nyangoyoyoyoyiya ministri misti misti dhamilin dhisto aman il Ma akin Ministr
SAS	No.:	SDG No.: 206061509		60621/B2078	
		ender det verste des verste de			on at any on the state participation of the state of the
		Units:			Time: 1425
		The COURT AND A SHARE SHARE AND AN ARRANGE AND AND ARRANGE AND AN ARRANGE AND AN ARRANGE AND AN ARRANGE AND AN ARRANGE AND AND ARRANGE AND AND ARRANGE AND AND ARRANGE AND ARRANG	Date Received:	Street did not be the first to a security of a second seco	тай такин - чемер карылар керинде керин түмкөрүн керин карактарын керин керин керин керин керин керин керин ке
		dec.	Date Extracted:	6/16/06	north and a first and a state of the state of
		B-5MS-30M ID: .25 (mm)			Time: 1904
		tract Volume: 1000 (µL)	Dilution Factor:	1	Analyst: JAR3
Injection Volume: 1.0 (µL)		Prep Method:	OLM 4.2	300A	
GPC Cleanup: (Y/N) N pH:		Analytical Metho	d: <u>SW-846-8270</u> C	0LM04,2	
		SECURIOR - NO CONTROL AND	Instrument ID: _	MSSV3	ed the blacks 1 - high provings with approximating against the statement of the blacks 1 - high provings and approximating against the statement of the blacks.
N	umber TIC	s Found: 9			8/23/36
С	ONCENTR	PATION UNITS:ug/L			ארון איייין יו
С	AS NO.	COMPOUND	RT	EST. CON	C. Q
1. 1	10-82-7	Cyclohexane	.333	10.6	
2. 99	94-05-8	Butane, 2-methoxy-2-methyl-	.347	20.8	
3. 90	31-56-6	1-Methoxycyclohexane	1.082	2.33	
4. 96	6-19-5	1-Propene, 1,2,3-trichloro-	1.136	4.39	
5. 18	3146-00-4	Allyloxytrimethylsilane	2.737	4.5	
€. 10	05-42-0	2-Hexanone, 4-methyl-	2.788	2.19	
7. 11	12-73-2	Butane, 1,1'-[oxybis(2,1-ethan	2.969	1.51	
8. 74	367-33-2	Propanoic acid, 2-methyl-, 2,2	3.012	8.44	
0 44	E 20 6	Diavola[2 2 1]hant 5 and 2 2 d	4.070	4.02	

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Lab Name:	GCAL	Sample ID: SK-GW63DUPE-1018	
Lab Code: L	_A024 Case No.:	Contract:	
SAS No.:	SDG No.: 206061509	Lab File ID: 2060621/B2080	
3N3 NO	3DG NO 200001309	Lab File (D. 2000021/B2080	
Matrix: Wat	er	Lab Sample ID: 20606150916	
Sample wt/vol	l: 1000 Units: mL	Date Collected: 06/14/06 Time: 15	505
Level: (low/me	ed) LOW	Date Received: 06/16/06	
% Moisture:	decanted: (Y/N)	Date Extracted: 06/16/06	
GC Column:	DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1	935
	, ,	Dilution Factor: 1 Analyst:	
	Extract Volume: 1000 (µL)		
Injection Volur	me: 1.0 (µL)	Prep Method: OLM4.2 SVOA	
GF'C Cleanup	: (Y/N) N pH:	Analytical Method: OLMO 4.2	
		Instrument ID: MSSV3	
CONCENTRA	TION UNITS: ug/L	Prep Batch: 325847 Analytical Batch:	326170
CAS NO.	COMPOUND	RESULT Q MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0 U 0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0 U 0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0 U 0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0 U 0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0 U 0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0 U 0.010	10.0
91-58-7	2-Chloronaphthalene	10.0 U 0.010	10.0
95-57-8	2-Chlorophenol	10.0 U 0.010	10.0
91-57-6	2-Methylnaphthalene	10.0 U 0.010	10.0
38-74-4	2-Nitroaniline	25.0 U 0.010	25.0
38-75-5	2-Nitrophenol	10.0 U 0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0 U 0.010	10.0
99-09-2	3-Nitroaniline	25.0 U 0.010	25.0
34-52-1	2-Methyl-4,6-dinitrophenol	25.0 U 0.010	25.0
9-50-7	4-Chloro-3-methylphenol	10.0 U 0.010	10.0
06-47-8	4-Chloroaniline	10.0 U 0.010	10.0
005-72-3	4-Chlorophenyl-phenylether	10.0 U 0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0 U 0.010	10.0
3-32-9	Acenaphthene	10.0 U 0.010	10.0
08-96-8	Acenaphthylene	10.0 U 0.010	10.0
20-12-7	Anthracene	10.0 U 0.010	10.0
6-55-3	Benzo(a)anthracene	10.0 U 0.010	10.0
0-32-8	Benzo(a)pyrene	10.0 U 0.010	10.0
05-99-2	Benzo(b)fluoranthene	10.0 U 0.010	10.0
91-24-2	Benzo(g,h,i)perylene	10.0 U 0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0 U 0.010	10.0
11-91-1	Bis(2-Chloroethoxy)methane	10.0 U 0.010	10.0
11-44-4	Bis(2-Chloroethyl)ether	10.0 U 0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0 U 0.010	10.0
00-00-1	his/r-outoropohioh hi/entrei	10.0	.0.0

Lab Name: GCAL Sample ID: SK-GW63DUPE-1018 Contract: Lab Code: LA024 Case No.: SDG No.: 206061509 Lab File ID: 2060621/B2080 SAS No.: Lab Sample ID: 20606150916 Matrix: Water Time: 1505 Sample wt/vol: 1000 Units: mL Date Collected: 06/14/06 Level (low/med) LOW Date Received: 06/16/06 Date Extracted: 06/16/06 % Moisture: decanted: (Y/N) 06/21/06 Date Analyzed: GC Column: DB-5MS-30M ID: .25 (mm) Dilution Factor: 1 Analyst: JAR3 Concentrated Extract Volume: 1000  $(\mu L)$ Prep Method: OLM4.2 SVOA Injection Volume: 1.0 ( µL ) Analytical Method: OLMO 4.2 pH; GPC Cleanup: (Y/N) N Instrument ID: MSSV3 CONCENTRATION UNITS: ug/L Analytical Batch: 326170 Prep Batch: 325847

		r rep batch.	riep baton. 323047		Analytical Batch. 320170	
CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.03.09	JB	0.010	10.0	
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0	
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0	
86-74-8	Carbazole	10.0	U	0.010	10.0	
218-01-9	Chrysene	10.0	U	0.010	10.0	
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0	
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0	
132-64-9	Dibenzofuran	10.0	U	0.010	10.0	
84-66-2	Diethylphthalate	10.0	U	0.010	10.0	
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0	
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0	
20€-44-0	Fluoranthene	10.0	Ü	0.010	10.0	
86-73-7	Fluorene	10.0	U	0.010	10.0	
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0	
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0	
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0	
67-72-1	Hexachloroethane	10.0	U	0.010	10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0	
78-59-1	Isophorone	10.0	U	0.010	10.0	
91-20-3	Naphthalene	10.0	U	0.010	10.0	
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0	
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	
85-C1-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	
129-00-0	Pyrene	10.0	U	0.010	10.0	
521-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0	

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Lab Name: GCAL		Sample ID: SK-GW63DUPE-1018
Lab Code: LA024	Case No.:	Contract:
SAS No.:	SDG No.: 206061509	Lab File ID: 2060621/B2080
Matrix Water		Lab Sample ID: 20606150916
Sample wt/vol: 1000	Units: mL	Date Collected: 06/14/06 Time: 1505
Level: (low/med) LO	W	Date Received: 06/16/06
% Moisture:	decanted: (Y/N)	Date Extracted: 06/16/06
GC Column: DB-5MS	-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1935
Concentrated Extract V	/olume: 1000 ( μL )	Dilution Factor: 1 Analyst: JAR3
Injection Volume:	1.0 (µL)	Prep Method: OLM4.2 SVOA
GPC Cleanup: (Y/N)	N pH:	Analytical Method: OLMO 4.2
	, , ,	Instrument ID: MSSV3
CONCENTRATION UN	IITS: ug/L	Prep Batch: 325847 Analytical Batch: 326170
CAS NO. COM	POUND	RESULT Q MDL RL
86-30-6 N-Nit	rosodiphenylamine	10.0 U 0.010 10.0
95-48-7 o-Cre	sol	10.0 U 0.010 10.0

### 1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name: GCAL		Sample ID: SK-GW63DUPE-1018			
Lab Code: LA024 Case No.:		Contract:			
	SDG No.: 206061509	Lab File ID: 20	60621/B2080	glan voj k majagarad projegajnjavonja, o dra napra kong kilikonjih melikoni, sikistir o dra obra ne sikistira	
Material Materia		Lab Sample ID:	20606150916	dia, to a subsequence of the contract of the c	
	Units:			Time: 1505	
				m dijak sajapang digipanaga disasisasan di basa karang didikan kabanaga di malay. P	
	dec.	Date Extracted:	ما دن ا ما أعا	day syrine, in the adjusted where you are synoness, suggest the adjusted and the state of the st	
	B-5MS-30M ID: .25 (mm)			Time: 1935	
	tract Volume: 1000 (µL)	Dilution Factor:	1	Analyst: JAR3	
	: 1.0 (μL)	Prep Method:	OLK14.2	AGUZ	
				01M04.2	
GPC Cleanup: (Y	//N) N pH:	•	A SECTION OF THE PROPERTY AND ADDRESS OF THE PARTY OF THE	and the property of the second	
Number TIC	s Found: 10	instrument iD: _i	MSSV3	Nation for a financial contract and construction and construction and contract and	
	PATION UNITS:ug/L			8/23/06	
	•			'	
CAS NO.	COMPOUND	RT	EST. CONC	). Q	
1. 110-82-7	Cyclohexane	.335	9.94		
2. 5129-61-3	Heptadecanoic acid, 16-methyl-	7.842	14.6		
3. 994-05-8	Butane, 2-methoxy-2-methyl-	.347	18.6		
4. 111-21-7	Ethanol, 2,2'-[1,2-ethanediylb	.361	7.58		
5. 111-46-6	Ethanol, 2,2'-oxybis-	1.315	11.4		
6. 816-19-3	Hexanoic acid, 2-ethyl-, methy	2.592	2.53		
7. 20325-97-7	Hydrazine, 1-ethyl-1-(1-methyl	2.694	3.26		
	Propanoic acid, 2-methyl-, 2,2	3.017	12.3		
	Sulfur, mol. (S8)	3.616	3.64		
10 10363-27-6	Cyclooctanone 2-methyl-	5 538	21.5		

Lab Name:	GCAL	Sample ID:	SK-GW58-1	1018	a nit a sasajan a naga a saka ad ka na saka
Lab Code: L	_A024 Case No.:	Contract:			- A - 1 - ANG 11 NO - 4 WA T P 1
SAS No.:	SDG No.: 206061509	Lab File ID:		2081	
Matrix: Wat	er ···	Lab Sample I			
			**		1005
Sample wt/vol	l: 1000 Units: mL	Date Collected	a: 06/15/0	6 Time:	1005
Level: (low/me	ed) LOW	Date Received	d: 06/16/0	6	
% Moisture:	decanted: (Y/N)	Date Extracted	d: 06/16/0	6	
GC Column:	DB-5MS-30M ID: .25 (mm)			6 Time	
	Extract Volume: 1000 (µL)	Dilution Factor		Analy	
		Pren Method:		SVOA	
Injection Volum	me: 1.0 (µL)				
GPC Cleanup	: (Y/N) N ρH:	Analytical Met	hod: OLM	10 4.2	
		Instrument ID:	MSSV3		
CONCENTRA	TION UNITS. ug/L	Prep Batch:	325847	Analytical Ba	itch: 326170
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2.4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10,0	U	0.010	10.0
91-53-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chioro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

Lab Name: GCAL Sample ID: SK-GW58-1018 Lab Code: LA024 Case No.: Contract: Lab File ID: 2060621/B2081 SAS No.: SDG No.: 206061509 Matrix: Water Lab Sample ID: 20606150917 Sample wt/vol: 1000 Date Collected: 06/15/06 Time: 1005 Units: mL Level: (low/med) LOW Date Received: 06/16/06 % Moisture: decanted (Y/N) Date Extracted: 06/16/06 Date Analyzed: 06/21/06 Time: 1951 GC: Column: DB-5MS-30M ID: .25 (mm) Dilution Factor: 1 Analyst: JAR3 Concentrated Extract Volume: 1000 (µL) Prep Method: OLM4.2 SVOA Injection Volume: 1.0 ( µL ) Analytical Method: OLMO 4.2 GPC Cleanup. (Y/N) N pH: Instrument ID: MSSV3 CONCENTRATION UNITS: ug/L Prep Batch: 325847 Analytical Batch: 326170 U

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.01.88	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	Ü	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	Ü	0.010	10.0
37-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
57-72-1	Hexachloroethane	10.0	U	0.010	10.0
93-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
8-59-1	Isophorone	10.0	U	0.010	10.0
1-20-3	Naphthalene	10.0	U	0.010	10.0
00-C1-6	4-Nitroaniline	25.0	U	0.010	25.0
8-95-3	Nitrobenzene	10.0	U	0.010	10.0
00-02-7	4-Nitrophenol	25.0	U	0.010	25.0
7-86-5	Pentachlorophenol	25.0	U	0.010	25.0
15-01-8	Phenanthrene	10.0	U	0.010	10.0
08-95-2	Phenol	10.0	J	0.010	10.0
29-00-0	Pyrene	10.0	U	0.010	10.0
21-64-7				4	

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Lab Name: GCAL		Sample ID: SK-GW58-1018
Lab Code: LA024	Case No.:	Contract:
SAS No.:	SDG No.: 206061509	Lab File ID: 2060621/B2081
Matrix: Water		Lab Sample ID: 20606150917
Sample wt/vol: 1000	Units: mL	Date Collected: 06/15/06 Time: 1005
Level: (low/med) LC	)W	Date Received: 06/16/06
% Moisture:	decanted: (Y/N)	Date Extracted: 06/16/06
GC Column: DB-5MS	S-30M ID: 25 (mm)	Date Analyzed: 06/21/06 Time: 1951
Concentrated Extract \	Volume: 1000 (µL)	Dilution Factor: 1 Analyst: JAR3
Injection Volume:	1.0 ( µL )	Prep Method: OLM4.2 SVOA
GPC Cleanup: (Y/N)	N pH:	Analytical Method: OLMO 4.2
		Instrument ID: MSSV3
CONCENTRATION UI	NITS: ug/L	Prep Batch: 325847 Analytical Batch: 326170
CAS NO. COM	<b>IPOUND</b>	RESULT Q MDL RL
86-30-6 N-Ni	trosodiphenylamine	10.0 U 0.010 10.0
95-48-7 o-Cre	esol	10.0 U 0.010 10.0

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name: GCAL	Sample ID: SK-GW58-1018
Lab Code: LA024 Case No.:	Contract:
SAS No.: SDG No.: 206061509	
Matrix: Water	Lab Sample ID: 20606150917
Sample wt/vol: Units:	Date Collected: 06/15/06 Time: 1005
Level: (low/med)	Date Received: 06/16/06
% Moisture: not dec.	Date Extracted: 6/16/06
GC Column: DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 1951
Concentrated Extract Volume: 1000 (µL)	Dilution Factor: 1 Analyst: JAR3
Injection Volume: 1.0 (µL)	Prep Method: CLM 4,2 SVOA
GPC Cleanup: (Y/N) N pH:	Analytical Method: SW-846 8270C
No. 16.5 and a second of the s	Instrument ID: MSSV3
Number TICs Found: 9	
CONCENTRATION UNITS:ug/L	81:3/2/
CAS NO. COMPOUND	RT EST. CONC. Q
1. 110-82-7 Cyclohexane	.335 11.6
2 . 994-05-8 Butane, 2-methoxy-2-methyl-	.347 21.7
3 75-09-2 Methylene Chloride	.792 .789
4. 115-18-4 3-Buten-2-ol, 2-methyl-	1.082 2.85
5. 3083-25-8 Oxirane, (2,2,2-trichloroethyl	1.139 7.39
6. 3891-98-3 Dodecane, 2,6,10-trimethyl-	3.159 .303
7. 0-00-0 Isobornyl isovalerate	3.764 1.44
8 . 147-82-0 Benzenamine, 2,4,6-tribromo-	4.434 .583
9 63328-14-3 2-Isopropylpyrrolidine	5.501 8.02

Lab Name: (	GCAL	Sample ID:	SK-GWEB-	1018	a nee comment a ne
Lab Code: L	A024 Case No.:	Contract:		and make the property of the same and the sa	
SAS No.:	SDG No.: 206061509	Lab File ID:			- Comment of the state of the s
		Lab Camala I	D: 206061	E0022	• •
Matrix: Wate	<del>.</del>	Lab Sample I	D. 200001	** * * -	
Sample wt/vol	: 1000 Units: mL	Date Collecte	d: 06/15/0	6 Time	: 1045
Level: (low/me	ed) LOW	Date Receive	d: 06/16/0	6	
% Moisture:	decanted: (Y/N)	Date Extracte	d: 06/16/0	6	
GC Column:	DB-5MS-30M ID: .25 (mm)	Date Analyze	d: 06/21/0	6 Time	2037
	Extract Volume: 1000 ( µL )	Dilution Facto			yst: JAR3
	,	Prep Method:			
Injection Volum	ne: 1.0 (µL)	·	e en	removed the second second	- v
GPC Cleanup:	(Y/N) N pH:	Analytical Me	thod: OLM	10 4.2	
		Instrument ID	: MSSV3		
CONCENTRA	TION UNITS: ug/L	Prep Batch:	325847	Analytical Ba	atch: 326170
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	Τ υ	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	υ	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	Ü	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-3:2-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

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Lab Name: GCAL Sample ID: SK-GWEB-1018 Lab Code: LA024 Case No.: Contract: SAS No.: Lab File ID: 2060621/B2084 SDG No.: 206061509 Matrix: Water Lab Sample ID: 20606150922 Units: mL Sample wt/vol: 1000 Date Collected: 06/15/06 Time: 1045 Level. (low/med) LOW Date Received: 06/16/06 decanted (Y/N) Date Extracted: 06/16/06 % Moisture Date Analyzed: 06/21/06 Time: 2037 GC Column: DB-5MS-30M ID: .25 (mm) Dilution Factor: 1 Analyst: JAR3 Concentrated Extract Volume: 1000 (µL) Prep Method: OLM4.2 SVOA Injection Volume: (µL) 1.0 Analytical Method: OLMO 4.2 GFC Cleanup: (Y/N) N pH: Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L Prep Batch: 325847 Analytical Batch: 326170

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10,01.60	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	Ü	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	٦	0.010	10.0
100-02-7	4-Nitrophenol	25.0	Ü	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	Ú	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	Ū	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	Ü	0.010	10.0

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Lab Name: GC	AL	*** * * * *	Sample ID:	SK-GWEB-1	1018	
Lab Code: LA0	24 Case No.:		Contract:		*	
SAS No.:	SDG No.: 2060	061509	Lab File ID: 2	2060621/B2	084	· machine ·
Matrix: Water	, , , ,		Lab Sample ID	2060615	50922	
Sample wt/vol:	1000 Units: mL		Date Collected	: 06/15/06	5 Time	: 1045
Level: (low/med)	LOW		Date Received	: 06/16/06	3	
% Moisture:	decanted: (Y/N)		Date Extracted	: 06/16/06	)	
GC Column: DE	3-5MS-30M ID: .25	(mm)	Date Analyzed	: 06/21/06	3 Time	e: 2037
Concentrated Ext	ract Volume: 1000	( µL )	Dilution Factor	: [1]	Anal	yst: JAR3
Injection Volume:	1.0	( µL )	Prep Method:	OLM4.2 S	VOA	
GPC Cleanup: (Y	/N) N pH:		Analytical Meth	od: OLM	0 4.2	
			Instrument ID:	MSSV3		
CONCENTRATIO	ON UNITS: ug/L		Prep Batch:	325847	Analytical Ba	atch: 326170
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine		10.0	Ū	0.010	10.0
95-48-7	o-Cresol		10.0	U	0.010	10.0

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL	Sample ID: SK-GWEB-1018
Lab Code: LA024 Case No.:	Contract:
	Lab File ID: 2060621/B2084
Matrix: Water	Lab Sample ID: 20606150922
Sample wt/vol: Units:	Date Collected: 06/15/06 Time: 1045
Level: (low/med)	Date Received: 06/16/06
% Moisture: not dec.	Date Extracted: 6116106
GC Column: DB-5MS-30M ID: .25 (mm)	Date Analyzed: 06/21/06 Time: 2037
Concentrated Extract Volume: 1000 (µL)	Dilution Factor: 1 Analyst: JAR3
Irjection Volume: 1.0 (µL)	Prep Method: DLM 4.2 SW A
GPC Cleanup: (Y/N) N pH:	Analytical Method: SW-846 8270C OLMO4.7
a green transper, and me is a grain from the special grain transpersation of the special properties of the special propert	Instrument ID: MSSV3
Number TICs Found: 10	8123/36
CONCENTRATION UNITS:ug/L	W.
CAS NO. COMPOUND	RT EST. CONC. Q
1. 110-82-7 Cyclohexane	.333 9.36
2. 7390-81-0 Oxirane, hexadecyl-	8.478 24.4
3. 994-05-8 Butane, 2-methoxy-2-methyl-	.347 23.3
4. 96-19-5 1-Propene, 1,2,3-trichloro-	1.136 7.28
5. 112-95-8 Eicosane	7.125 11.5
6. 544-85-4 Dotriacontane	7.624 17.4
7. 630-06-8 Hexatriacontane	7.868 6.52
8. 2765-11-9 Pentadecanal-	7.985 13.9
9 25117-35-5 Octadecane, 5-methyl-	8.109 22.6
10. 112-95-8 Eicosane	8.345 7.04

Lab Name: GCAL Sample ID: SK-GW63-1018

Lab Code: LA024 Case No.: Contract:

SAS No.: SDG No.: 206061509 Lab File ID: 2060622/B2088

Matrix: Water Lab Sample ID: 20606150915

Sample wt/vol: 1000 Units: mL Date Collected: 06/14/06 Time: 1455

Level: (low/med) LOW Date Received: 06/16/06

% Moisture: decanted: (Y/N) Date Extracted: 06/16/06

GC Column: DB-5MS-30M ID: .25 (mm) Date Analyzed: 06/22/06

Concentrated Extract Volume: 1000 ( µL ) Dilution Factor: 1 Analyst: JAR3

Injection Volume: 1.0 (µL) Prep Method: OLM4.2 SVOA

GPC Cleanup (Y/N) N pH: Analytical Method: OLMO 4.2

CONCENTRATION UNITS: ug/L

Instrument ID: MSSV3

Prep Batch: 325847 Analytical Batch: 326221

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
603-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	Ų	0.010	10.0
33-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
6-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
0-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	Ü	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
11-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
0 <i>E</i> -60-1	bis(2-Chloroisopropyl)ether	10.0	Ú	0.010	10.0

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Time: 1338

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Sample ID: SK-GW63-1018 Lab Name: GCAL Lab Code: LA024 Case No.: Contract: SAS No.: SDG No.: 206061509 Lab File ID: 2060622/B2088 Lab Sample ID: 20606150915 Matrix: Water Sample wt/vol: 1000 Units: mL Date Collected: 06/14/06 Time: 1455 Level: (low/med) LOW Date Received: 06/16/06 06/16/06 % Moisture: decanted: (Y/N) Date Extracted: 06/22/06 Date Analyzed: Time: 1338 ID: .25 GC Column. DB-5MS-30M (mm) Dilution Factor: 1 Analyst: JAR3 Concentrated Extract Volume: 1000 ( µL ) Prep Method: OLM4.2 SVOA  $(\mu L)$ Injection Volume: Analytical Method: OLMO 4.2 GPC Cleanup: (Y/N) N pH: Instrument ID: MSSV3 CONCENTRATION UNITS: ug/L Analytical Batch: 326221 Prep Batch: 325847 CAS NO. COMPOUND RESULT Q MDL RL 117-81-7 10,01-80 JB 0.010 10.0 L bis(2-ethylhexyl)phthalate 101-55-3 4-Bromophenyl-phenylether 10.0 Ū 0.010 10.0 U 0.010 10.0 85-68-7 Butylbenzylphthalate 10.0 86-74-8 Carbazole 10.0 U 0.010 10.0 Ū 10.0 218-01-9 10.0 0.010 Chrysene 84-74-2 Di-n-butylphthalate 10.0 U 0.010 10.0 117-84-0 Di-n-octylphthalate 10.0 Ū 0.010 10.0 53-70-3 Ū Dibenz(a,h)anthracene 10.0 0.010 10.0 132-64-9 10.0 Ū 0.010 10.0 Dibenzofuran 84-66-2 0.010 10.0 Diethylphthalate 10.0 U 131-11-3 Dimethyl-phthalate 10.0 Ū 0.010 10.0 105-67-9 2,4-Dimethylphenol 10.0 Ū 0.010 10.0 206-44-0 Fluoranthene 10.0 Ū 0.010 10.0 86-73-7 10.0 Ū 10.0 Fluorene 0.010 118-74-1 Hexachiorobenzene 10.0 Ū 0.010 10.0 87-68-3 Hexachlorobutadiene 10.0 U 0.010 10.0 77-47-4 Ū Hexachlorocyclopentadiene 10.0 0.010 10.0 67-72-1 Hexachloroethane 10.0 Ū 0.010 10.0 193-39-5 10.0 Ū 0.010 10.0 Indeno(1,2,3-cd)pyrene 78-59-1 Isophorone 10.0 U 0.010 10.0 91-20-3 Naphthalene 10.0 U 0.010 10.0 u3 100-01-6 4-Nitroaniline 25.0 Ū 0.010 25.0 98-95-3 10.0 Ū 0.010 10.0 Nitrobenzene U 100-02-7 25.0 0.010 25.0 4-Nitrophenol 87-86-5 Pentachlorophenol 25.0 Ū 0.010 25.0 85-01-8 Phenanthrene 10.0 Ū 0.010 10.0 108-95-2 Phenol 10.0 Ū 0.010 10.0 129-30-0 Pyrene 10.0 Ū 0.010 10.0 621-64-7 10.0 0.010 10.0 N-Nitroso-di-n-propylamine U

Lab Name: GCAL	To a final way on the second control	Sample ID:	SK-GW63-1	018	sumbananing program in any order
Lab Code: LA024 Case No.:	100 100	Contract:	reasson a magger or as madellebush a	and the second of the second o	Mariana a ka makama
SAS No.: SDG No.: 20	6061509	Lab File ID: 2	2060622/B2	088	di Tiponompatrico e el 11
Matrix: Water		Lab Sample II	): 2060615	50915	
Sample wt/vol: 1000 Units: mL		Date Collected	i: 06/14/06	Time:	1455
Level: (low/med) LOW		Date Received			
% Moisture: decanted: (Y/N)		Date Extracted	1: 06/16/06	3	military property of a set between a party of the set
GC Column: DB-5MS-30M ID: .25	(mm)	Date Analyzed	: 06/22/06	. Time	: 1338
Concentrated Extract Volume 1000	( µL )	Dilution Factor	: 1	Analy	/st: JAR3
Injection Volume: 1.0	(µL)	Prep Method:	OLM4.2 S	VOA	
GPC Cleanup: (Y/N) N pH:		Analytical Meth	nod: OLM	0 4.2	the control of the co
		Instrument ID:	MSSV3		
CONCENTRATION UNITS: ug/L		Prep Batch:	325847	Analytical Ba	tch: 326221
CAS NO. COMPOUND		RESULT	Q	MDL	RL
86-30-6 N-Nitrosodiphenylamine		10.0	U	0.010	10.0
95-48-7 o-Cresol		10.0	U	0.010	10.0

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#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Sample ID: SK-GW63-1018

Lab Code: LA024

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Case No.:

Contract:

SAS No.:

SDG No.: 206061509

ID: .25

Lab File ID: 2060622/B2088

Matrix: Water

Lab Sample ID: 20606150915

Date Collected: 06/14/06 Time: 1455

Sample wt/vol:

Units:

Date Received: 06/16/06

Level: (low/med)

% Moisture: not dec.

Date Extracted:

6116106

GC: Column: DB-5MS-30M

Date Analyzed: 06/22/06 (mm)

Time: 1338

Concentrated Extract Volume:

( µL )

Dilution Factor: 1

Analyst: JAR3

Injection Volume:

1.0

( µL )

AUUS

Prep Method:

Analytical Method:

64410412

GPC Cleanup: (Y/N) N

pH:

Instrument ID: MSSV3

Number TICs Found: 10 CONCENTRATION UNITS:ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
112-39-0	Hexadecanoic acid, methyl este	4.63	43.7	<del></del>
55682-92-3	Octacosanoic acid, methyl este	7.644	40.1	
3389-71-7	Bicyclo[2.2.1]hepta-2,5-diene,	4.828	5.81	
112-61-8	Octadecanoic acid, methyl este	5.118	30.2	
0-00-0	10-Methylnonadecane	6.293	2.36	
2433-97-8	Tricosanoic acid, methyl ester	6.369	5.35	
630-06-8	Hexatriacontane	6.551	2.53	
2442-49-1	Tetracosanoic acid, methyl est	6.628	14.9	
55373-89-2	Pentacosanoic acid, methyl est	6.886	15.4	
5802-82-4	Hexacosanoic acid, methyl este	7.141	16.5	

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Lab Name: GCAL	Sample ID: SI	K-GW62A-1	018	one special and a support to long copies against the special s	
Lab Code: LA024 Case No.:	Contract:		and the second of the second o		
Natrix: Water			SDG No.:		
Sample wt/vol: 1000 Units: mL	Lab Sample ID:	2060615	0901		
Level: (low/med) LOW	Date Collected:	06/14/06	Time:	1020	w
% Moisture: decanted: (Y/N)	Date Received:	06/15/06		the engineering of the second of the second	سي خفان
GC Column: ID: (mm)	Date Extracted:	06/16/06			
Concentrated Extract Volume: 1000 ( µL )	Date Analyzed:		Time:		
Soil Aliquot Volume: (µL)			Analys		
Injection Volume: 1 (µL)			ST/PCB		
GPC Cleanup: (Y/N) N pH;			) 4.2		
Prep Batch: 325849 Analytical Batch: 326218			Instrument I		
CONCENTRATION UNITS: ua/L			21/SV18A033		
CAS NO. COMPOUND	RESULT				weather to write and the con-
		Q	MDL	RL L 0.100	-,,,7
1031-07-8 Endosulfan sulfate	0.100	U	0.000100	0.100	_ us
72-55-9 4,4'-DDE	0.100	U	0.000100	0.100	_
50-29-3 4,4'-DDT	0.100	U	0.000100	0.100	_
309-00-2 Aldrin	0.050	U	0.000100	0.050	_  }
12674-11-2 Aroclor-1016	1.00	U	0.000100	1.00	_
11104-28-2 Aroclor-1221	2.00	U	0.000100	2.00	_
11141-16-5 Aroclor-1232	1.00	U	0.000100	1.00	_
53469-21-9 Aroclor-1242	1.00	U	0.000100	1.00	_
12672-29-6 Aroclor-1248	1.00	U	0.000100	1.00	
11097-69-1 Aroclor-1254	1.00	U	0.000100	1.00	
11096-82-5 Aroclor-1260	1.00	Ų	0.000100	1.00	_
60-57-1 Dieldrin	0.100	U	0.000100	0.100	1
72-54-8 4,4'-DDD	0.100	U	0.000100	0.100	
33213-65-9 Endosulfan II	0.100	U	0.000100	0.100	
5103-74-2 gamma-Chlordane	0.050	U	0.000100	0.050	
72-20-8 Endrin	0.100	U	0.000100	0.100	
7421-93-4 Endrin aldehyde	0.100	U	0.000100	0.100	
53494-70-5 Endrin ketone	0.100	U	0.000100	0.100	7 1
76-44-8 Heptachlor	0.050	υ	0.000100	0.050	7
1024-57-3 Heptachlor epoxide	0.050	U	0.000100	0.050	7 1
72-43-5 Methoxychlor	0.500	U	0.000100	0.500	7
8001-35-2 Toxaphene	5.00	U	0.000100	5.00	7
319-84-6 alpha-BHC	0.050	U	0.000100	0.050	7
5103-71-9 alpha-Chlordane	0.050	U	0.000100	0.050	7
319-85-7 beta-BHC	0.050	U	0.000100	0.050	7
319-86-8 delta-BHC	0.050	U	0.000100	0.050	7
58-89-9 gamma-BHC (Lindane)	0.050	Ü	0.000100	0.050	7 1
959-93-8 Endosulfan I	0.050	U	0.000100	0.050	7 4

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Lab Name:	GCAL	ing water	Sample ID: S	K-GW06R-	1018		
Lab Code:	LA024 Case No.:		Contract:		at the second		
Matrix: Wa	ater		SAS No.:	The Contract of the Contract o	SDG No.:	206061509	No carrier A
Sample wt/v	ol: 1000 Units: mL		Lab Sample ID:	2060615	0902		
	ned) LOW		Date Collected:	06/13/06	Time:	1425	
	decanted: (Y/N)		Date Received:			- der sehren versegeneren gegen i verse, allege versege segen, ver	and a
	ID:		Date Extracted:	06/16/06	a termina alapan aspert mengateran separan <del>pelanda dangan</del> terminan sebagai dan sebagai dan sebagai dan sebagai s	обиро один до иргирош от <sub>Сис</sub> тина, у и <del>по</del> придиростивующ	#*~ °
	d Extract Volume: 1000		Date Analyzed:	06/22/06	Time:	1712	# 1 minnes
	Volume:				Analys		
	ume: 1		Prep Method:			Continue of the Anthropy of the Continue of th	Elemen D
				y (1997) and the substitution of the substitut	Technological acceptantion because a particular companies or post following.	gatteragg, g. tilde är, aggilli unda gyut den augentlyphus synthäla sa	rech cl
	p: (Y/N) N pH:		Analytical Metho	A. L. M. L. M.		W ART V LOSS THE WINNERS OF A MOVE THE	
Prep Batch:	325849 Analytical Batch: 32621	8	Sulfur Cleanup:	(Y/N) N	Instrument I	D: GCS18A	
CONCENTRA	ATION UNITS: ug/L		Lab File ID:	20606	21/SV18A034	Tribunesia in Astanon sono si anci	e ye major oo o major ye oo .
CAS NO.	COMPOUND		RESULT	Q	MDL	RL	
1031-07-8	Endosulfan sulfate		0.100	U	0.000100	0.100	_ uj
72-55-9	4,4'-DDE		0.100	U	0.000100	0.100	7 (
50-29-3	4,4'-DDT		0.100	J	0.000100	0.100	
309-00-2	Aldrin		0.050	J	0.000100	0.050	7
12674-11-2	Aroclor-1016		1.00	U	0.000100	1.00	7
11104-28-2	Aroclor-1221		2.00	U	0.000100	2.00	7 1
11141-16-5	Aroclor-1232		1.00	U	0.000100	1.00	7
53469-21-9	Aroclor-1242		1.00	U	0.000100	1.00	-
12672-29-6	Aroclor-1248		1.00	U	0.000100	1.00	$\dashv$ $\mid$
11097-69-1	Aroclor-1254		1.00	U	0.000100	1.00	- 1
11096-82-5	Aroclor-1260		1.00	U	0.000100	1.00	<b>-</b> 1 1
60-57-1	Dieldrin		0.100	U	0.000100	0.100	7
72-54-8	4,4'-DDD		0.100	U	0.000100	0.100	71
33213-65-9	Endosulfan II		0.100	U	0.000100	0.100	7
5103-74-2	gamma-Chlordane		0.050	Ū	0.000100	0.050	7
72-20-8	Endrin		0.100	U	0.000100	0.100	7 1
7421-93-4	Endrin aldehyde		0.100	U	0.000100	0.100	7
53494-70-5	Endrin ketone		0.100	U	0.000100	0.100	7
76-44-8	Heptachlor		0.050	U	0.000100	0.050	7
1024-57-3	Heptachlor epoxide		0.050	U	0.000100	0.050	7 1
72-43-5	Methoxychlor		0.500	U	0.000100	0.500	7
8001-35-2	Toxaphene	1	5.00	Ū	0.000100	5.00	7
319-84-6	alpha-BHC		0.050	U	0.000100	0.050	7
5103-71-9	alpha-Chlordane		0.050	U	0.000100	0.050	<b> </b>
319-85-7	beta-BHC		0.050	U	0.000100	0.050	7
319-85-8	delta-BHC		0.050	U	0.000100	0.050	7 \
58-89-9	gamma-BHC (Lindane)	<del></del>	0.050	Ū	0.000100	0.050	7 1
	Endosulfan I		0.050	u l	0.000100	0.050	⊣ 1

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Lab Name:	GCAL	-	Sample ID: S	K-GW07R-	1018		be to
Lab Code:	LA024 Case No.:	amen era valaga jan sent til i salah ayar salaharan	Contract:	and a second		tarrannorae arqueo mass fraktisassemo on horre A. eferre	
Matrix: Wa	ater	- Commonwell (Control of Control			SDG No.:		
Sample wt/v	ol: 1000 Units: mL		Lab Sample ID	: 2060615	0903		
Level: (low/n	med) LOW		Date Collected:	: 06/13/06	Time:	1500	
% Moisture:	decanted: (Y/N)	e angenera and any angeneral	Date Received:			agantha Barre, kanggara ar ing rasay i mang arma sami sam	
GC Column:	: ID:	(mm)	Date Extracted:	: 06/16/06			
Concentrate	d Extract Volume: 1000	(µL)	Date Analyzed:	06/22/06	Time:	1731	
Soil Aliquot	Volume:	(μL)			Analys		
Injection Vol	ume: 1	(µL)			EST/PCB		
	ip: (Y/N) N pH:				) 4.2		
Prep Batch:	325849 Analytical Batch: 3	26218			Instrument I		
	ATION UNITS: ug/L		Lab File ID:	206062	21/SV18A035		arad committee color
CAS NO.	COMPOUND		RESULT	Q	MDL	RL	
1031-07-8	Endosulfan sulfate		0.100	U	0.000100	0.100	] u:
72-55-9	4,4'-DDE		0.100	U	0.000100	0.100	_]
50-29-3	4,4'-DDT		0.100	υ	0.000100	0.100	] \
309-00-2	Aldrin		0.050	U	0.000100	0.050	_]
12674-11-2	Aroclor-1016		1.00	U	0.000100	1.00	] {
11104-28-2	Aroclor-1221		2.00	U	0.000100	2.00	7
11141-16-5	Aroclor-1232		1.00	U	0.000100	1.00	
53469-21-9	Aroclor-1242		1.00	U	0.000100	1.00	]
12672-29-6	Aroclor-1248		1.00	U	0.000100	1.00	] }
11097-69-1	Aroclor-1254		1.00	U	0.000100	1.00	_] [
11096-82-5	Aroclor-1260		1.00	U	0.000100	1.00	
60-57-1	Dieldrin		0.100	U	0.000100	0.100	
7:2-54-8	4,4'-DDD		0.100	U	0.000100	0.100	]
	Endosulfan II		0.100	U	0.000100	0.100	_]
5103-74-2	gamma-Chlordane		0.050	U	0.000100	0.050	_}
72-20-8	Endrin		0.100	U	0.000100	0.100	]
7421-93-4	Endrin aldehyde		0.100	U	0.000100	0.100	_] '
53494-70-5	Endrin ketone		0.100	U	0.000100	0.100	_
76-44-8	Heptachlor		0.050	Ú	0.000100	0.050	_ [
	Heptachlor epoxide	,	0.050	U	0.000100	0.050	7 /
72-43-5	Methoxychior		0.500	U	0.000100	0.500	7
8001-35-2	Toxaphene		5.00	U	0.000100	5.00	7 /
319-84-6	alpha-BHC		0.050	U	0.000100	0.050	7 (
5103-71-9	alpha-Chlordane		0.050	U	0.000100	0.050	~  <i> </i>
319-85-7	beta-BHC		0.050	Ü	0.000100	0.050	7 1
319-86-8	delta-BHC		0.050	U	0.000100	0.050	
58-89-9	gamma-BHC (Lindane)		0.050	U	0.000100	0.050	-
959-98-8	Endosulfan I		0.050	i i	0.000100	0.050	-

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Lab Name:	GCAL	New Administrative and the Party Confederation	Sample ID: S	K-GW59-10	18	a first stage a system for the same of another actives, and other species of another species and other species	
Lab Code:	LA024 Case No.:	e andre grow to a ser or grand adopted a	Contract:				
Matrix: Wa	BIET	makes and the control of the control	SAS No.:	news or white applicate the service responses and	SDG No.:	206061509	ann agr
Sample wt/v	ol: 1000 Units: mL	Strander Strand Communication - 1 von Spale 3	Lab Sample ID	2060615	0904		
Level: (low/n	ned) LOW		Date Collected:	06/14/06	Time:	0955	
% Moisture:	decanted: (Y/N)		Date Received:	06/15/06			
GC Column:	ID:	(mm)	Date Extracted:	06/16/06			
Concentrate	d Extract Volume: 1000	(µL)	Date Analyzed:	06/22/06	Time:	1750	
	√olume:				Analys		
	ume: 1				ST/PCB		
	p: (Y/N) N pH:				4.2		
	325849 Analytical Batch: 32				Instrument I		**
	ATION UNITS: ug/L		Lab File ID:		21/SV18A036	, de agreen it gran den Syn i virtigen aak of deel virtigen it proposities	au 11
	COMPOUND		RESULT	_			to see the sector office
1031-07-8	Endosulfan sulfate	<del></del>	0.100	<b>Q</b>	MDL	RL 0.400	_ แว
72-55-9	4,4'-DDE		0.100	U U	0.000100 0.000100	0.100	_
50-29-3	4,4'-DDT		0.100	U	0.000100	0.100 0.100	
309-00-2	Aldrin		0.050	<del>                                     </del>	0.000100	0.050	}
12674-11-2	Aroclor-1016	······	1.00	Ü	0.000100	1.00	∤ {
11104-28-2	Aroclor-1221	<del></del>	2.00	U	0.000100	2.00	-{ \
11141-16-5	Aroclor-1232		1.00	U U	0.000100	1.00	- 1
53469-21-9	Aroclor-1242		1.00	U	0.000100	1.00	—i l
12672-29-6	Aroclor-1248		1.00	U	0.000100	1.00	- 1
11097-69-1	Aroclor-1249	······································	1.00	U	0.000100	1.00	{
11096-82-5	Aroclor-1260		1.00	U	0.000100	1.00	<u>-</u>   '
60-57-1	Dieldrin		0.100	U	0.000100	0.100	
72-54-8	4,4'-DDD		0.100	Ü	0.000100	0.100	_
	Endosulfan II		0.100	Ü	0.000100	0.100	-
5103-74-2	gamma-Chlordane		0.050	U	0.000100	0.050	$\dashv$
72-20-8	Endrin		0.100	U	0.000100	0.100	-
74:21-93-4	Endrin aldehyde		0.100	Ū	0.000100	0.100	┥
53494-70-5	Endrin ketone	<del></del>	0.100	Ü	0.000100	0.100	$\dashv$
76-44-8	Heptachlor	<del> </del>	0.050	U	0.000100	0.050	-
1024-57-3	Heptachlor epoxide		0.050	Ŭ	0.000100	0.050	-
72-43-5	Methoxychlor		0.500	Ü	0.000100	0.500	-
8001-35-2	Toxaphene		5.00	Ü	0.000100	5.00	-
319-84-6	alpha-BHC		0.050	<del>- 0</del> -	0.000100	0.050	-
5103-71-9	alpha-Chlordane		0.050	<del>u</del>	0.000100	0.050	<b>⊣ !</b>
319-85-7	beta-BHC		0.050	<del>-</del> <del>U</del>	0.000100	0.050	-
319-86-8	delta-BHC		0.050	Ü	0.000100	0.050	- I
58-89-9	gamma-BHC (Lindane)		0.050	U	0.000100	0.050	4 (
959-98-8	Endosulfan I		0.050	Ü	0.000100	0.050	<b>⊣ ▼</b>
	<b>\</b>		1	- 1	1		,

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Lab Name: GCAL	Sample ID: SK-GW64-1018	
Lab Code: LA024 Case No.:	Contract:	
Matrix: Water	SAS No.: SDG No.: 206061509	
Sample wt/vol: 1000 Units: mL	Lab Sample ID: 20606150905	
Level: (low/med) LOW	Date Collected: 06/14/06 Time: 1040	
% Moisture: decanted: (Y/N)	Date Received: 06/15/06	
GC Column: ID: (mm)	Date Extracted: 06/16/06	
Concentrated Extract Volume: 1000 ( µL )	Date Analyzed: 06/22/06 Time: 1808	
Scil Aliquot Volume: (µL)	Dilution Factor: 1 Analyst: DLB	
Injection Volume: 1 (μL)	Prep Method: OLM4.2 PEST/PCB	
GPC Cleanup: (Y/N) N pH:	Analytical Method: OLMO 4.2	
Prep Batch: 325849 Analytical Batch: 326218		
CONCENTRATION UNITS: ug/L	Lab File ID: 2060621/SV18A037	
CAS NO. COMPOUND	RESULT Q MDL RL	
1031-07-8 Endosulfan sulfate	0.100 U 0.000100 0.100	てん
72-55-9 4,4'-DDE	0.100 U 0.000100 0.100	ì
50-29-3 4,4'-DDT	0.100 U 0.000100 0.100	1
309-00-2 Aldrin	0.050 U 0.000100 0.050	
12674-11-2 Aroclor-1016	1.00 U 0.000100 1.00	1
11104-28-2 Aroclor-1221	2.00 U 0.000100 2.00	1
11141-16-5 Aroclor-1232	1.00 U 0.000100 1.00	
53469-21-9 Aroclor-1242	1.00 U 0.000100 1.00	1
12672-29-6 Aroclor-1248	1.00 U 0.000100 1.00	
11097-69-1 Aroclor-1254	1.00 U 0.000100 1.00	
11096-82-5 Aroclor-1260	1.00 U 0.000100 1.00	
60-57-1 Dieldrin	0.100 U 0.000100 0.100	
72-54-8 4,4'-DDD	0.100 U 0.000100 0.100	1
33213-65-9 Endosulfan II	0.100 U 0.000100 0.100	1
5103-74-2 gamma-Chlordane	0.050 U 0.000100 0.050	
72-20-8 Endrin	0.100 U 0.000100 0.100	1
7421-93-4 Endrin aldehyde	0.100 U 0.000100 0.100	1
53494-70-5 Endrin ketone	0.100 U 0.000100 0.100	l
76-44-8 Heptachlor	0.050 U 0.000100 0.050	
1024-57-3 Heptachlor epoxide	0.050 U 0.000100 0.050	-
72-43-5 Methoxychlor	0.500 U 0.000100 0.500	1
8001-35-2 Toxaphene	5.00 U 0.000100 5.00	ĺ
319-84-6 alpha-BHC	0.050 U 0.000100 0.050	
5103-71-9 alpha-Chlordane	0.050 U 0.000100 0.050	
319-85-7 beta-BHC	0.050 U 0.000100 0.050	1
319-86-8 delta-BHC	0.050 U 0.000100 0.050	
58-89-9 gamma-BHC (Lindane)	0.050 U 0.000100 0.050	1
959-98-8 Endosulfan I	. 0.050 U 0.000100 0.050	1

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Lab Name:	GCAL	Sample ID:	SK-GW60-10	018	manuspyratorum at allen vo approp over , Politicalis Pediculus v
Lab Code:	LA024 Case No.:	Contract:			
Matrix: Wa		SAS No :			206061509
Sample wt/v	ol: 1000 Units: mL		: 2060615	0906	
Level: (low/n	ned) LOW	Date Collected	: 06/14/06	Time:	1005
% Moisture:	decanted: (Y/N)	Date Received	: 06/15/06	i National particles (No. No. 19 and	galak ak ji kuwa hake. Pili sakhake njir wansu wanjahakeka njij
GC Column:	ID: (mm	n) Date Extracted	: 06/16/06		THE RESERVE OF THE PROPERTY OF
Concentrate	d Extract Volume: 1000 (μL	.) Date Analyzed	: 06/22/06	Time:	
Soil Aliquot	Volume: (μL			Analyst	
	ume: 1 (µL			EST/PCB	
	ip: (Y/N) N pH:			O 4.2	
	325849 Analytical Batch: 326218			Instrument II	
	ATION UNITS: ug/L	Lab File ID:			alle partierne de l'agresse de l'agresse de la Marche de Comment en co
	COMPOUND	RESULT	Q	MDL	RL
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	T U	0.000100	0.050
1031-07-8	Endosulfan sulfate	0.100	<del>-</del> Ū	0.000100	0.100
72-55-9	4,4'-DDE	0.100	1 0	0.000100	0.100
50-29-3	4,4'-DDT	0,100	T U	0.000100	0.100
309-00-2	Aldrin	0.050	Ū	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	Ū	0.000100	1.00
	Aroclor-1221	2.00	Ū	0.000100	2.00
<del></del>	Aroclor-1232	1.00	Ū	0.000100	1.00
	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	Ü	0.000100	1.00
	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
	Endosulfan II	0.100	Ü	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
Ł	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
	alpha-Chlordane	0.050	U	0.000100	0.050
	beta-BHC	0.050	U	0.000100	0.050
959-98-8	Endosulfan I	0.050	Ü	0.000100	0.050

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Lab Name:	GCAL	Sample ID:	SK-GW61-10	018		w warn
Lab Code:		Contract:		that which the same and the same section is agreed a same things.		
Matrix: Wa				SDG No.:		APP Vo.
Sample wt/v	ol: 1000 Units: mL	Lab Sample I	D: 2060615	0914		
Level: (low/n	ned) LOW	Date Collected	1: 06/14/06	Time:	1425	
	decanted: (Y/N)			i visitat ka kun unga aka da 		
	ID: (mm				graden in half geleinder medikannen untg. de de dette in gegen de seinem ges 15 - 149 i	*****
	d Extract Volume: 1000 (µL	) Date Analyzed	1: 06/22/06	Time:	1846	· Marke
	Volume: (µL			Analys		
	ume: 1 (µL			ESTIDOD	manufacture 1 M2 to April A algebra regarded primaries. 19.000000 to	
	p; (Y/N) N pH:			0 4.2		
	325849 Analytical Batch: 326218			Instrument I		
				21/SV18A039	and an approximation for the approximation for the an	· ·
	ATION UNITS: ug/L		the Asset Atlanta and and	n value of the term of the ter	and the second supplies and the second secon	nwes ingner
	COMPOUND	RESULT	Q	MDL	RL	— <i>1</i>
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100	่ ี น่ว
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100	_
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100	_
309-00-2	Aldrin	0.050	U	0.000100	0.050	
12674-11-2	Aroclor-1016	1.00	υ	0.000100	1.00	
11:04-28-2	Aroclor-1221	2.00	U	0.000100	2.00	7
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00	7
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00	7
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00	7
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00	7
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00	7 ]
60-57-1	Dieldrin	0.100	U	0.000100	0.100	7 )
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100	7
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100	7
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050	7
72-20-8	Endrin	0.100	U	0.000100	0.100	7
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100	7
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100	7
76-44-8	Heptachlor	0.050	U	0.000100	0.050	<b>⊣</b> ↓
1024-57-3	Heptachlor epoxide	0.00300	J	0.000100	0.050	コマ
72-43-5	Methoxychlor	0.500	U	0.000100	0.500	丁山
8001-35-2	Toxaphene	5.00	Ū	0.000100	5.00	7 7
319-84-6	alpha-BHC	0.050	U	0.000100	0.050	<b>-   </b>
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050	<b>-   </b>
319-85-7	beta-BHC	0.050	U	0.000100	0.050	<b>-   </b>
319-86-8	delta-BHC	0.050	- Ü	0.000100	0.050	$\dashv$ $\mid$
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050	- 1
959-98-8	Endosulfan I	0.050	<del>                                     </del>	0.000100	0.050	-

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Lab Name: GCAL	Sample ID: S	K-GW63-10	018		
Lab Code: LA024 Case No.:	Contract:		ereter und von vonant voran <u>no, vo</u> papare		
Matrix: Water			SDG No.:		. M M
Sample wt/vol: 1000 Units: mL	Lab Sample ID	: 2060615	0915		
Level: (low/med) LOW			Time:	1455	
% Moisture: decanted: (Y/N)	Date Received				
		4741.000 4740.000	reconstruction and appropriate to the safe	وديها وداحت فالحوق فهالمود فالمواريس وجهود	
GC Column: ID: (mm)	Date Extracted	: 06/16/06	THE PLANT CONTROL OF THE PLANT	a - not debutter out men out - per house to their historia me	*** .7 *
Concentrated Extract Volume: 1000 ( µL )	Date Analyzed	06/22/06	Time:	1904	nerjan san rate
Soil Aliquot Volume: ( µL )	Dilution Factor:	1	Analys	st: DLB	
Injection Volume: 1 ( µL )			EST/PCB		
GPC Cleanup: (Y/N) N pH:			0 4.2		
Prep Batch: 325849 Analytical Batch: 326218	Sullui Cleanup.		Instrument		MY .4 F
CONCENTRATION UNITS: ug/L	Lab File ID:	20606	21/SV18A040	t the manufacture of the property of the property to the	
CAS NO. COMPOUND	RESULT	Q	MDL	RL	
1031-07-8 Endosulfan sulfate	0.100	U	0.000100	0.100	นว
72-55-9 4,4'-DDE	0.100	U	0.000100	0.100	u's
50-29-3 4,4'-DDT	0.00220	JP	0.000100	0.100	77
309-00-2 Aldrin	0.050	U	0.000100	0.050	u:
12674-11-2 Aroclor-1016	1.00	U	0.000100	1.00	_] [
11104-28-2 Aroclor-1221	2.00	U	0.000100	2.00	
11141-16-5 Aroclor-1232	1.00	U	0.000100	1.00	
53469-21-9 Aroclor-1242	1.00	U	0.000100	1.00	
12672-29-6 Aroclor-1248	1.00	Ü	0.000100	1.00	
11097-69-1 Aroclor-1254	1.00	U	0.000100	1.00	
11096-82-5 Aroclor-1260	1.00	U	0.000100	1.00	
60-57-1 Dieldrin	0.100	U	0.000100	0.100	
72-54-8 4,4'-DDD	0.100	U	0.000100	0.100	
33213-65-9 Endosulfan II	0.100	U	0.000100	0.100	_] [
5103-74-2 gamma-Chlordane	0.050	U	0.000100	0.050	_] [
72-20-8 Endrin	0.100	U	0.000100	0.100	_
7421-93-4 Endrin aldehyde	0.00350	JP	0.000100	0.100	JJ
53494-70-5 Endrin ketone	0.100	U	0.000100	0.100	U
76-44-8 Heptachlor	0.050	U	0.000100	0.050	us
1024-57-3 Heptachlor epoxide	0.00370	J P	0.000100	0.050	
72-43-5 Methoxychlor	0.500	U	0.000100	0.500	นั้ว
8001-35-2 Toxaphene	5.00	U	0.000100	5.00	
319-84-6 alpha-BHC	0.050	U	0.000100	0.050	
5103-71-9 alpha-Chlordane	0.050	U	0.000100	0.050	
319-85-7 beta-BHC	0.050	U	0.000100	0.050	
319-86-8   delta-BHC	0.050	U	0.000100	0.050	<i>1</i>
58-89-9 gamma-BHC (Lindane)	0.050	U	0.000100	0.050	<u> </u>
959-98-8 Endosulfan I	0.050	U	0.000100	0.050	4

Lab Name: GCAL	Sample ID: SK-GW63DUPE-1018	
Lab Code: LA024 Case No.:	Contract:	
Matrix: Water	SAS No.: SDG No.: 206061509	
Sample wt/vol: 1000 Units: mL	Lab Sample ID: 20606150916	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Level: (low/med) LOW	Date Collected: 06/14/06 Time: 1505	
% Moisture: decanted: (Y/N)	Date Received: 06/16/06	A114 A
GC Column: ID: (mm)	Date Extracted: 06/16/06	<i>y</i> ,
Concentrated Extract Volume: 1000 ( µL )	Date Analyzed: 06/22/06 Time: 1923	
Soil Aliquot Volume: ( µL )	Dilution Factor: 1 Analyst: DLB	
Injection Volume: 1 ( µL )	Prep Method: OLM4.2 PEST/PCB	
GPC Cleanup: (Y/N) N pH:	Analytical Method: OLMO 4.2	
Prep Batch: 325849 Analytical Batch: 326218		
	Lab File ID: 2060621/SV18A041	Contra or
CONCENTRATION UNITS: ug/L	WV White PA view discussed and analysis and analysis of the adjusted and the second and the view of th	
CAS NO. COMPOUND	RESULT Q MDL RL	,
1031-07-8 Endosulfan sulfate	0.100 U 0.000100 0.100	_]{
72-55-9 4,4'-DDE	0.100 U 0.000100 0.100	
50-29-3 4,4'-DDT	0.100 U 0.000100 0.100	{
309-00-2 Aldrin	0.050 U 0.000100 0.050 1.00 U 0.000100 1.00	
12674-11-2 Aroclor-1016 11104-28-2 Aroclor-1221		
11104-28-2   Aroclor-1221 11141-16-5   Aroclor-1232		
53469-21-9 Aroclor-1242	1.00 U 0.000100 1.00 1.00 U 0.000100 1.00	
12672-29-6 Aroclor-1248	1.00 U 0.000100 1.00	
11097-69-1 Aroclor-1254	1.00 U 0.000100 1.00	
11096-82-5 Aroclor-1260	1.00 U 0.000100 1.00	
60-57-1 Dieldrin	0.100 U 0.000100 0.100	
72-54-8 4,4'-DDD	0.100 U 0.000100 0.100	
33213-65-9 Endosulfan II	0.100 U 0.000100 0.100	
5103-74-2 gamma-Chlordane	0.050 U 0.000100 0.050	
72-20-8 Endrin	0.100 U 0.000100 0.100	
7421-93-4 Endrin aldehyde	0.100 U 0.000100 0.100	ᅥ
53494-70-5 Endrin ketone	0.100 U 0.000100 0.100	-1
76-44-8 Heptachlor	0.050 U 0.000100 0.050	-
1024-57-3 Heptachlor epoxide	0.050 U 0.000100 0.050	-1
72-43-5 Methoxychlor	0.500 U 0.000100 0.500	-1
8001-35-2 Toxaphene	5.00 U 0.000100 5.00	-1
3 <sup>-</sup> 9-84-6 alpha-BHC	0.050 U 0.000100 0.050	-1
5'03-71-9 alpha-Chlordane	0.050 U 0.000100 0.050	-1
319-85-7 beta-BHC	0.050 U 0.000100 0.050	-
319-86-8 delta-BHC	0.050 U 0.000100 0.050	-
58-89-9 gamma-BHC (Lindane)	0.050 U 0.000100 0.050	-
959-98-8 Endosulfan I	0.050 U 0.000100 0.050	7

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959-98-8

Endosulfan I

Lab Name: GCAL	Sample ID: SK-GW58-1018	_,
Lab Code: LA024 Case No.:	Contract:	
Matrix: Water	CAC No	9
Sample wt/vol: 1000 Units: mL	Lab Sample ID: 20606150917	
Level: (low/med) LOW	Date Collected: 06/15/06 Time: 1005	
% Moisture: decanted: (Y/N)		******
GC Column: ID: (mm	n) Date Extracted: 06/16/06	
Concentrated Extract Volume: 1000 ( µL		
Soil Aliquot Volume: ( µL		
Injection Volume: 1 (µL		
GPC Cleanup: (Y/N) N pH:		
Prep Batch: 325849 Analytical Batch: 326218		8A
		)/\ 
CONCENTRATION UNITS: ug/L	Lab File ID: 2060621/SV18A045	Mr. 11 - 14 - 170
CAS NO. COMPOUND	RESULT Q MDL RI	L
1031-07-8 Endosulfan sulfate	0.100 U 0.000100 0.10	00
72-55-9 4,4'-DDE	0.100 U 0.000100 0.10	
50-29-3 4,4'-DDT	0.100 U 0.000100 0.10	)0
309-00-2 Aldrin	0.050 U 0.000100 0.05	
12674-11-2 Aroclor-1016	1.00 U 0.000100 1.00	
1 104-28-2 Aroclor-1221	2.00 U 0.000100 2.00	
11141-16-5 Aroclor-1232	1.00 U 0.000100 1.00	
53469-21-9 Aroclor-1242	1.00 U 0.000100 1.00	
12672-29-6 Aroclor-1248	1.00 U 0.000100 1.00	
11097-69-1 Aroclor-1254	1.00 U 0.000100 1.00	
11096-82-5 Aroclor-1260	1.00 U 0.000100 1.00	
6C-57-1 Dieldrin	0.100 U 0.000100 0.100	
72-54-8 4,4'-DDD	0.100 U 0.000100 0.100	
33213-65-9 Endosulfan II	0.100 U 0.000100 0.100	
5103-74-2 gamma-Chlordane	0.050 U 0.000100 0.050	
72-20-8 Endrin	0.100 U 0.000100 0.100	
7421-93-4 Endrin aldehyde	0.00110 J P 0.000100 0.100	
53494-70-5 Endrin ketone	0.100 U 0.000100 0.100	
76-44-8 Heptachlor	0.050 U 0.000100 0.050	
1024-57-3 Heptachlor epoxide	0.00230 J 0.000100 0.050	
72-43-5 Methoxychlor	0.500 U 0.000100 0.500	
3001-35-2 Toxaphene	5.00 U 0.000100 5.00	
319-84-6 alpha-BHC	0.050 U 0.000100 0.050	
5103-71-9 alpha-Chlordane	0.050 U 0.000100 0.050	
319-85-7 beta-BHC	0.050 U 0.000100 0.050	
319-86-8 delta-BHC	0.050 U 0.000100 0.050	
58-89-9 gamma-BHC (Lindane)	0.050 U 0.000100 0.050	O

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0.050

U

0.000100

0.050

Lab Name: GCAL	Sample ID: SK-GWEB-1018
Lab Code: LA024 Case No.:	Contract:
Matrix: Water	SAS No.: SDG No.: 206061509
Sample wt/vol: 1000 Units: mL	Lab Sample ID: 20606150922
Level: (low/med) LOW	Date Collected: 06/15/06 Time: 1045
% Moisture: decanted: (Y/N)	Date Received: 06/16/06
GC Column: ID: (mm)	Date Extracted: 06/16/06
Concentrated Extract Volume: 1000 (µL)	Date Analyzed: 06/22/06 Time: 2134
Soil Aliquot Volume: (µL)	Dilution Factor: 1 Analyst: DLB
Injection Volume: 1 (µL)	Prep Method: OLM4.2 PEST/PCB
GPC Cleanup: (Y/N) N pH:	Analytical Method: OLMO 4.2
Prep Batch: 325849 Analytical Batch: 326218	Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
CONCENTRATION UNITS: ua/L	Lab File ID: 2060621/SV18A048
CAS NO. COMPOUND	RESULT Q MDL RL
1031-07-8 Endosulfan sulfate	0.100 U 0.000100 0.100
72-55-9 4,4'-DDE	0.00120 J 0.000100 0.100
50-29-3 4,4'-DDT	0.00450 J P 0.000100 0.100
309-00-2 Aldrin	0.00280 J 0.000100 0.050
12674-11-2 Aroclor-1016	1.00 U 0.000100 1.00
11104-28-2 Aroclor-1221	2.00 U 0.000100 2.00
11141-16-5 Aroclor-1232	1.00 U 0.000100 1.00
53469-21-9 Aroclor-1242	1.00 U 0.000100 1.00
12672-29-6 Aroclor-1248	1.00 U 0.000100 1.00
11097-69-1 Aroclor-1254	1.00 U 0.000100 1.00
11096-82-5 Aroclor-1260	1.00 U 0.000100 1.00
60-57-1 Dieldrin	0.00610 J 0.000100 0.100
72-54-8 4,4'-DDD	0.100 U 0.000100 0.100
33213-65-9 Endosulfan II	0.100 U 0.000100 0.100
5103-74-2 gamma-Chlordane	0.050 U 0.000100 0.050
72-20-8 Endrin	0.00610 J 0.000100 0.100
7421-93-4 Endrin aldehyde	0.100 U 0.000100 0.100
53494-70-5 Endrin ketone	0.100 U 0.000100 0.100
76-44-8 Heptachlor	0.00230 J P 0.000100 0.050
1024-57-3 Heptachlor epoxide	0.050 U 0.000100 0.050
72-43-5 Methoxychlor	0.500 U 0.000100 0.500
8C01-35-2 Toxaphene	5.00 U 0.000100 5.00
319-84-6 alpha-BHC	0.050 U 0.000100 0.050
5103-71-9 alpha-Chlordane	0.050 U 0.000100 0.050
319-85-7 beta-BHC	0.050 U 0.000100 0.050
319-86-8 delta-BHC	0.00390 J 0.000100 0.050
58-89-9 gamma-BHC (Lindane)	0.00220 J 0.000100 0.050
959-98-8 Endosulfan I	0.050 U 0.000100 0.050

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Lab Name:	GCAL		Sample ID: S	K-GW63DL	JPE-1018 (RE)		
Lab Code:	LA024 Case No.:						
Matrix: W	ater	and makes the makes of the con-			SDG No.:		
Sample wt/v	ol: 1000 Units: mL		Lab Sample ID	: 2060615	0930		
Level: (low/r	med) LOW		Date Collected:	: 06/14/06	Time:	1505	
% Moisture:	decanted: (Y/N)				ar dibin, a distribution of the		
	iD:				antidas y amin' ao		
	d Extract Volume: 1000				Time:		
	Volume:				Analys		
	lume: 1		Prep Method:		EST/DCD		
				AND MAY DAY ORDERS COMING CO. BOUNDS		وما حاول المعاون موادات و ۱۳۰ مرا عاول به موادات الحاد المداد الحاد المداد المد	
	ip: (Y/N) N pH;				0 4.2		
Prep Batch:	326381 Analytical Batch: 3262	.18		***************************************	Instrument I	D: GCS18A	*****
CONCENTRA	ATION UNITS: ug/L		Lab File ID:	20606	21/SV18A054	one was as a see spage out a se differential that assessment from	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL	
1031-07-8	Endosulfan sulfate		0.100	U	0.000100	0.100	_] R
72-55-9	4,4'-DDE		0.100	U	0.000100	0.100	1 \
50-29-3	4,4'-DDT		0.100	U	0.000100	0.100	_
309-00-2	Aldrin		0.050	U	0.000100	0.050	_
12672-29-6	Aroclor-1248		1.00	U	0.000100	1.00	_
11097-69-1	Aroclor-1254		1.00	U	0.000100	1.00	_
11096-82-5	Aroclor-1260		1.00	U	0.000100	1.00	_
60-57-1	Dieldrin		0.100	U	0.000100	0.100	_
72-54-8	4,4'-DDD		0.100	U	0.000100	0.100	_
33213-65-9	Endosulfan II		0.100	U	0.000100	0.100	_
5103-74-2	gamma-Chlordane		0.050	U	0.000100	0.050	_
72-20-8	Endrin		0.100	U	0.000100	0.100	_
5103-71-9	alpha-Chlordane		0.050	U	0.000100	0.050	_
53494-70-5	Endrin ketone		0.100	U	0.000100	0.100	_
76-44-8	Heptachlor		0.050	U	0.000100	0.050	_
1024-57-3	Heptachlor epoxide		0.050	U	0.000100	0.050	_
72-43-5	Methoxychlor		0.500	U	0.000100	0.500	1
8001-35-2	Toxaphene		5.00	U	0.000100	5.00	1
319-84-6	alpha-BHC		0.050	U	0.000100	0.050	_
7421-93-4	Endrin aldehyde		0.100	U	0.000100	0.100	-1
58-89-9	gamma-BHC (Lindane)		0.050	U	0.000100	0.050	
959-98-8	Endosulfan I		0.050	U	0.000100	0.050	
319-86-8	delta-BHC		0.050	U	0.000100	0.050	-
319-85-7	beta-BHC		0.050	U	0.000100	0.050	
12674-11-2	Aroclor-1016		1.00	U	0.000100	1.00	_
	Aroclor-1221		2.00	U	0.000100	2.00	-
	Aroclor-1242		1.00	U	0.000100	1.00	_
11141-16-5	Aroclor-1232	ì	1.00	U	0.000100	1.00	4

## INORGANIC ANALYSIS DATA SHEET

#### EPA SAMPLE NO.

		MONGA	INIO ANALISIO DAIA SHEET	SK-GW62A-1018	
Lab Name:	GCAL		Contract:		
Lab Code:	LA024	Case No.:	SAS No.:	SDG No.: 206061509	
Matrix: ( soil	/water)	Water	Lab Sample ID: 20606150901	1	

Level: ( low / med ) Date Received: 06/15/06

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	С	Q	M	٦
7429-90-5	Aluminum	26900		E	Р	1
7440-36-0	Antimony	4.0	U		P	┥`
7440-38-2	Arsenic	8.6	В		Р	7
7440-39-3	Barium	482			P	7
7440-41-7	Beryllium	1.4	В		Р	7
7440-43-9	Cadmium	0.1	U		Р	7
7440-70-2	Calcium	490000			P	7
7440-47-3	Chromium	55.6		E	Р	J
7440-48-4	Cobalt	30.7	В		Р	7
7440-50-8	Copper	29.6			Р	1
7439-89-6	Iron	64400			Р	7
7439-92-1	Lead	52.2			Р	7
7439-95-4	Magnesium	99500			Р	7
7439-96-5	Manganese	2620			P	7
7439-97-6	Mercury	0.1	U		AV	7
7440-02-0	Nickel	68.4			Р	7
7440-09-7	Potassium	14000		E	Р	11
7782-49-2	Selenium	5.0	В		P	1
7440-22-4	Silver	1.0	U		P	7
7440-23-5	Sodium	109000			Р	1 _
7440-28-0	Thallium	2.6	U	N	P	しょう
7440-32-6	Titanium	269			P	1
7440-62-2	Vanadium	15.9	В		P	7
7440-66-6	Zinc	184		E	Р	11
57-12-5	Cyanide	0.6	U		AS	1

Color Before:	DK.BROWN	Clarity Before:	CLEAR	Texture:	
Color After:	DK.BROWN	Clarity After:	CLEAR	Artifacts:	-

Comments:

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EPA	SAMPL	E NO
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	I	NORGANIC ANALYSIS	DATA SHEET	SK	-GW06R-1	018
Lab Name: _G	CAL	Contra	act:			
	.024 Case No.:		No.:	SDG	No.: 206	061509
Matrix: ( soil / w	vater) Water	Lab San	nple ID: 20606	150902		
Level: ( low / me	ed )	Date Re	ceived: 06/15/	<sub>'06</sub>		
% Solids:						
Concentration	Units (ug/L or mg/kg dry weig	ht): ug/L				
CAS No.	Analyte	Concentration	С	Q	M	7
7429-90-5	Aluminum	5720		Е	P	_ 1
7440-36-0	Antimony	4.0	U		P	7
7440-38-2	Arsenic	6.3	В		Р	
7440-39-3	Barium	329			Р	
7440-41-7	Beryllium	0.5	U		Р	
7440-43-9	Cadmium	0.1	U		Р	
7440-70-2	Calcium	210000			Р	
7440-47-3	Chromium	11.9		E	Р	7.7
7440-48-4	Cobalt	9.0	В		Р	
7440-50-8	Copper	4.1	В		Р	7
7439-89-6	Iron	15100			Р	1
7439-92-1	Lead	12.8			Р	
7439-95-4	Magnesium	47400			Р	1
7439-96-5	Manganese	1050			Р	7
439-97-6	Mercury	0.1	U		AV	1
440-02-0	Nickel	11.5	В		P	7
440-09-7	Potassium	3700	В	E	Р	7.7
732-49-2	Selenium	4.9	U		Р	MI
440-22-4	Silver	1.0	U		P	านร
440-23-5	Sodium	19500			Р	7
440-28-0	Thallium	2.6	U	N	Р	us
440-62-2	Vanadium	1.2	U		Р	1
440-66-6	Zinc	36.4		Е	Р	] 5
7-12-5	Cyanide	0.6	U		AS	7 ~

LT.YELLOW Clarity Before: CLEAR Color Before: Texture: LT.YELLOW CLEAR Color After: Clarity After: Artifacts: Comments:

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#### EPA SAMPLE NO.

	INORGANIC ANALYSIS DATA SHEET	SK-GW07R-1018
Lab Name: GCAL	Contract:	
Lab Code: LA024 Case N	o.: SAS No.:	SDG No.: 206061509
Matrix: ( soil / water ) Water	Lab Sample ID: 20606150903	
Level: ( low / med )	Date Received: 06/15/06	
% Solids:		
Concentration Units (ug/L or mg/kg dry	weight): ug/L	

CAS No.	Analyte	Concentration	С	Q	М	7
7429-90-5	Aluminum	8110		E	Р	15
7440-36-0	Antimony	4.0	U		Р	1
7440-38-2	Arsenic	9.6	В		Р	7
7440-39-3	Barium	388			Р	1
7440-41-7	Beryllium	0.5	Ū		P	7
7440-43-9	Cadmium	0.1	U		Р	1
7440-70-2	Calcium	248000			Р	7
7440-47-3	Chromium	12.8		E	Р	73
7440-48-4	Cobalt	9.3	В		Р	1
7440-50-8	Copper	11.1	В		Р	7
7439-89-6	Iron	24600		·····	Р	1
7439-92-1	Lead	11.5			Р	1
7439-95-4	Magnesium	49400			Р	1
7439-96-5	Manganese	2940			Р	1
7439-97-6	Mercury	0.1	U	·	AV	7
7440-02-0	Nickel	16.8	В		Р	1
7440-09-7	Potassium	4400	В	E	Р	Ī
7732-49-2	Selenium	4.9	U		Р	145
7440-22-4	Silver	1.0	U		P	us
74.40-23-5	Sodium	27600		· · · · · · · · · · · · · · · · · · ·	Р	1
74-10-28-0	Thallium	2.6	U	N	P	us
7440-62-2	Vanadium	1.2	U		P	1
7440-66-6	Zinc	46.5		Ε	Р	1 丁
57-12-5	Cyanide	1.3	В		AS	1

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Color Before:	LT.YELLOW	Clarity Before:	CLEAR	Texture:	
Color After:	LT.YELLOW	Clarity After:	CLEAR	Artifacts:	
Comments:					

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#### EPA SAMPLE NO.

SK-GW59-1018	

Lab Name:	GCAL	Co	ontract:			
Lab Code: L	.A024 Case No.:	SA	AS No.:	SDG	No.: 20606	1509
Matrix: ( soil /	water) Water	Lab	Sample ID: 20606	150904		
Level: ( low / r	med)	Date	Received: 06/15/	'06		
% Solids:						
Concentration	n Units (ug/L or mg/kg dry weigh	nt): ug/L				
CAS No.	Analyte	Concentration	С	Q	M	
7429-90-5	Aluminum	3210		Ε	P	ĭ
7440-36-0	Antimony	4.0	U		Р	J
7440-38-2	Arsenic	4.0	1 0		Р	
7440-39-3	Barium	91.9	В	<u> </u>	Р	
7440-41-7	Beryllium	0.5	U		Р	
7440-43-9	Cadmium	0.1	U		Р	
7440-70-2	Calcium	206000			Р	
7440-47-3	Chromium	12.1		E	P .	J
7440-48-4	Cobalt	4.4	В		Р	•
7440-50-8	Copper	1.4	U		Р	
7439-89-6	Iron	8240			Р	
7439-92-1	Lead	6.3			Р	
7439-95-4	Magnesium	41100			Р	
7439-96-5	Manganese	573	1		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	11.3	В	····	Р	
7440-09-7	Potassium	25300		Ε	P	<u>s</u>
7782-49-2	Selenium	4.9	U	·	P	HT
7440-22-4	Silver	1.0	U		P	UT
7440-23-5	Sodium	105000			Р	
7440-28-0	Thallium	2.6	U	N	P	47
7440-62-2	Vanadium	1.2	U		Р	
7440-66-6	Zinc	20.1		E	Р	T
57-12-5	Cyanide	0.8	В		AS	
						Sletton
Color Before:	LT.YELLOW	Clarity Before:	CLEAR	Textu	re:	······
Color After:	LT.YELLOW	Clarity After:	CLEAR	_ Artifac	ots:	
Comments:	,					

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### INORGANIC ANALYSIS DATA SHEET

#### EPA SAMPLE NO.

		SK-GW64	1-1018
Lab Name: GCAL	Contract:		
Lab Code: LA024 Case No.:	SAS No.:	SDG No.:	206061509
Matrix: ( soil / water ) Water	Lab Sample ID: 2060	)6150905	
Level: (low/med)	Date Received: 06/1	5/06	
% Solids:			
Concentration Units (ug/L or mg/kg dry weight): ug	/L		

CAS No.	Analyte	Concentration	С	Q	M	7
7429-90-5	Aluminum	6580		E	P	7 3
7440-36-0	Antimony	4.0	U		Р	7
7440-38-2	Arsenic	4.0	U		Р	7
7440-39-3	Barium	58.2	В		P	7
7440-41-7	Beryllium	0.5	U		Р	7
7440-43-9	Cadmium	0.1	U		Р	7
7440-70-2	Calcium	194000			Р	7
7440-47-3	Chromium	13.5		E	Р	7:5
7440-48-4	Cobalt	7.9	В		Р	7
7440-50-8	Copper	1.4	U		Р	7
7439-89-6	Iron	14900			Р	7
7439-92-1	Lead	6.8			Р	7
7439-95-4	Magnesium	59400			P	7
7439-96-5	Manganese	1190			Р	7
7439-97-6	Mercury	0.1	Ü		AV	1
7440-02-0	Nickel	15.9	В		P	1
7440-09-7	Potassium	9990		E	P	ゴ
7782-49-2	Selenium	4.9	U		Р	245
7440-22-4	Silver	1.0	U		Р	145
7440-23-5	Sodium	41400			Р	7
7440-28-0	Thallium	2.6	U	N	P	1115
7440-62-2	Vanadium	1.2	U		Р	1 _
7440-66-6	Zinc	31.9		E	P	1 5
57-12-5	Cyanide	0.7	В		AS	1

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Color Before:	LT.YELLOW	Clarity Before:	CLEAR	Texture:
Color After:	LT.YELLOW	Clarity After:	CLEAR	Artifacts:
Comments:				

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### INORGANIC ANALYSIS DATA SHEET

#### EPA SAMPLE NO.

SK-GW62A-1018 (DISS)	

								į
Lab Name:	GCAL		Cont	ract:			<del></del>	
Lab Code:	LA024	Case No.:	SAS	No.:	·	SDG No.:	206061	509
Matrix: ( soil	/ water )	Water	Lab Sa	mple ID:	20606150909			
Level: ( low /	med)		Date R	eceived:	06/15/06			
% Solids:								
Concentration	on Units (u	ıg/L or mg/kg dry weight)	; ug/L					
CAS No	.	Analyte	Concentration	С		Q	М	

CAS No.	Analyte	Concentration	С	Q	М	]
7429-90-5	Aluminum	20.8	В	.2	P	1
7440-36-0	Antimony	4.0	U	U		1
7440-38-2	Arsenic	4.0	U		Р	1
7440-39-3	Barium	102	В		Р	1
7440-41-7	Beryllium	0.5	U	-	Р	1
7440-43-9	Cadmium	0.1	U		Р	1
7440-70-2	Calcium	127000			Р	1
7440-47-3	Chromium	3.8	В	,5/	Р	1
7440-48-4	Cobalt	0.7	U		Р	1
7440-50-8	Copper	1.4	υ		Р	1
7439-89-6	Iron	15.5	В		P	1
7439-92-1	Lead	1.8	Ü		Р	1
7439-95-4	Magnesium	46800			Р	1
7439-96-5	Manganese	29.5			P	1
7439-97-6	Mercury	0.1	U		AV	1
7440-02-0	Nickel	0.9	В		Р	1
7440-09-7	Potassium	9000		<u>,</u> F	P	1
7782-49-2	Selenium	4.9	Ù	N	Р	16
7440-22-4	Silver	1.0	υ		Р	14
7440-23-5	Sodium	101000			Р	1
7440-28-0	Thallium	2.6	U	- 14-	P	1
7440-62-2	Vanadium	1.2	U		Р	1
7440-66-6	Zinc	4.9	В	Æ	P	ĺ

8/28/06

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					

### INORGANIC ANALYSIS DATA SHEET

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Comments:

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#### EPA SAMPLE NO.

					-0440014-101	(D.00)
Lab Name: _0	GCAL	Co	ontract:	<u></u>		
Lab Code: L	A024 Case No.:	SA	.S No.:	SDG	No.: 2060	61509
Matrix: ( soil / v	water) Water	Lab S	Sample ID: 20606	150910		
Level: ( low / m	ned)		Received: 06/15/			
% Solids:		200				
Concentration	Units (ug/L or mg/kg dry weig	ght) : ug/L				
CAS No.	Analyte	Concentration	C	Q	М	1
7429-90-5	Aluminum	14.8	U	Æ	P	1
7440-36-0	Antimony	4.0	U	- <del></del>	Р	
7440-38-2	Arsenic	4.0	U	<del></del>	P	1
7440-39-3	Barium	212		<del></del>	Р	
7440-41-7	Beryllium	0.5	U	<del></del>	Р	
7440-43-9	Cadmium	0.1	U	- <del></del>	Р	
7440-70-2	Calcium	175000	<del></del>		Р	
7440-47-3	Chromium	2.1	В	¥	Р	
7440-48-4	Cobalt	1.2	В	· · · · · · · · · · · · · · · · · · ·	Р	
7440-50-8	Copper	1.4	υ	<del></del>	Р	
7439-89-6	Iron	193	1		Р	
7439-92-1	Lead	1.8	U		Р	
7439-95-4	Magnesium	30400	·1		Р	
7439-96-5	Manganese	275			Р	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.6	В	<del></del>	Р	
7440-09-7	Potassium	2420	В	, Z	Р	
7732-49-2	Selenium	4.9	U	N	P	UI
7440-22-4	Silver	1.0	U		P	UJ
74:10-23-5	Sodium	19300	<u> </u>	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	P	
74-10-28-0	Thallium	2.6	U	A.	P	
74.10-62-2	Vanadium	1.2	<del>                                     </del>		P	
7440-66-6	Zinc	0.7	U	- <del>- Z</del>	Р	
						8/29/06
Color Before:	COLORLESS	Clarity Before: Clarity After:	CLEAR	Textu Artifa		

FORM I - IN

EPA SAMPLE NO.

INORGANIC	ANALYSIS	DATA	SHEET

Williams.

SK-GW07R-101	18 (DISS)

Lab Name: GC	CAL	C	ontract:				
Lab Code: LAC	Case No.:	SA	AS No.:		SDG No.:	2060	61509
Matrix: ( soil / wa	ater) Water	Lab	Sample ID:	20606150911			
Level: ( low / me	ed )		Received:		·		
% Solids:		Date	e iveceived.	00/13/00			
Concentration U	Jnits (ug/L or mg/kg dry weigh	t); ug/L					
CAS No.	Analyte	Concentration	C	(	5	М	
7429-90-5	Aluminum	14.8	U		Ξ'	Р	1
7440-36-0	Antimony	4.0	U			Р	
7440-38-2	Arsenic	4.0	U			Р	
7440-39-3	Barium	138	В			Р	]
7440-41-7	Beryllium	0.5	U			Р	
7440-43-9	Cadmium	0.1	U			Р	
7440-70-2	Calcium	190000				Р	
7440-47-3	Chromium	1.3	В	الر. ا		Р	
7440-48-4	Cobalt	1.2	В			Р	
7440-50-8	Copper	1.4	U			Р	
7439-89-6	Iron	12.9	U			Р	
7439-92-1	Lead	1.8	U			Р	•
7439-95-4	Magnesium	29900				Р	
7439-96-5	Manganese	2090				٩	
7439-97-6	Mercury	0.1	U			ΑV	
7440-02-0	Nickel	4.2	В			Р	
7440-09-7	Potassium	2610	В	1		Р	_
7782-49-2	Selenium	4.9	U	N		Ρ	uJ
7440-22-4	Silver	1.0	Ü			Р	UI
7440-23-5	Sodium	28300				Р	
7440-28-0	Thallium	2.6	U	٨.		Р	
7440-62-2	Vanadium .	1.2	U			Ρ	
74:10-56-6	Zinc	0.7	U			Р	
							3/25/06 Mac
***	COLORLESS COLORLESS	Clarity Before: Clarity After:	CLEAR CLEAR		Texture: Artifacts:		

FORM I - IN

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#### EPA SAMPLE NO.

INORGANIC	ANALYSIS	DATA	SHEET
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SK-GW59-1018 (DISS	()
0.1.01.00 .0.0 (0.00	,

Lab Name: _(	GCAL	Cor	ntract:			
Lab Code: L	A024 Case No.:	SAS	5 No.:	SDG N	lo.: 20606150	9
Matrix: ( soil /	water) Water	Lab S	ample ID: 20606	3150912		
Level: ( low / n	ned )		Received: 06/15			
% Solids:	<del> </del>	Date	Received: 00/15	706		
70 Oolida.						
Concentration	Units (ug/L or mg/kg dry weigh	nt) : ug/L				
CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	14.8	U	Z	Р	
7440-36-0	Antimony	4.0	U		P	
7440-38-2	Arsenic	4.0	U		Р	
7440-39-3	Barium	38.7	В	<del></del>	Р	
7440-41-7	Beryllium	0.5	U		P	
7440-43-9	Cadmium	0.1	Ú		Р	
7440-70-2	Calcium	188000			Р	
7440-47-3	Chromium	3.2	В	, <del>Z</del>	Р	
7440-48-4	Cobalt	0.7	U		Р	
7440-50-8	Copper	1.4	U		Р	
7439-89-6	Iron	12.9	U		Р	
7439-92-1	Lead	1.8	Ú		Р	
7439-95-4	Magnesium	38500			P	
7439-96-5	Manganese	4.4	В		Р	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.8	В		Ρ	
7440-09-7	Potassium	22900		Z	Р	
7782-49-2	Selenium	4.9	U	N	P U	3
7440-22-4	Silver	1.0	U		PU	1
7440-23-5	Sodium	101000			P	
7440-28-0	Thallium	2.6	U	Ж	Р	
7440-62-2	Vanadium	1.2	U		Р	
7440-66-6	Zinc	0.7	U	, P.	Р	
					8/28	/o 6 n8
Color Before:	COLORLESS	-	CLEAR	Texture		
	COLORLESS	Clainty After.	CLEAR	Artifact	.S	
Comments:						

FORM I - IN

#### EPA SAMPLE NO.

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SK-GW64-1018	(DISS)
314-04404-1010	(טוטט)

					(-01104-1010 (0100)	
Lab Name: _0	GCAL	Contr	act:			
Lab Code: L	A024 Case No.:	SAS	No.:	SDG	No.: 206061509	
Matrix: ( soil /	water) Water	Lab Sar	mple ID: 20606	150913		
Level: ( low / n	ned)		eceived: 06/15/			
0. 0		Date Ne	30erveu. 00/15/	00		
75 JUNUS.						
Concentration	units (ug/L or mg/kg dry wei	ght): ug/L				
CAS No.	Analyte	Concentration	С	Q	М	
7429-90-5	Aluminum	14.8	U	Æ	Р	
7440-36-0	Antimony	4.0	U		P	
7440-38-2	Arsenic	4.0	U		P	
7440-39-3	Barium	35.0	В		P	
7440-41-7	Beryllium	0.5	U		Р	
7440-43-9	Cadmium	0.1	U		Р	
7440-70-2	Calcium	163000			Р	
7440-47-3	Chromium	4.2	В	£	Р	
7440-48-4	Cobalt	0.7	U		Р	
7440-50-8	Copper	1.4	U		P	
7439-89-6	Iron	12.9	U		P	
7439-92-1	Lead	1.8	U		P	
7439-95-4	Magnesium	52400			Р	
7439-96-5	Manganese	25.0			P	
7439-97-6	Mercury	0.1	U	<del></del>	AV	
7440-02-0	Nickel	3.0	В		Р	
7440-09-7	Potassium	8910	<del></del>	Z.	P	
7782-49-2	Selenium	4.9	U	N	P 113	
7440-22-4	Silver	1.0	U	<del></del>	PUS	
7440-23-5	Sodium	42800			P	
7440-28-0	Thallium	2.6	U		P	
7440-62-2	Vanadium	1.2	U		Р	
7440-66-6	Zinc	0.7	U	72	P	
					8/27/2 M	) k i.i.
Color Before: Color After:	COLORLESS	<del></del>	LEAR	_ Textu _ Artifa		
Comments:						

FORM 1 - IN

EPA SAMPLE NO.

INORGANIC	<b>ANALYSIS</b>	DATA	SHEET

SK-GW61-1018

Lab Name: 0	SCAL	C	ontract:				
Lab Code: LA024 Case No.: SAS No.:					SDG No.:	2060	61509
Matrix: ( soil / v	water) Water	Lab	Sample ID: 2	0606150914			
Level: ( low / m	ned)	Date	Received: 0	6/16/06			
% Solids:							
Concentration	Units (ug/L or mg/kg dry welgl	ht): ug/L					
CAS No.	Analyte	Concentration	C	Q		М	}
7429-90-5	Aluminum	3800	1	E		P	1
7440-36-0	Antimony	4.0	U			P	
7440-38-2	Arsenic	5.3	В			P	
7440-39-3	Barium	81.3	В			Р	
7440-41-7	Beryllium	0.5	υ			Р	ļ
7440-43-9	Cadmium	0.1	U			þ	
7440-70-2	Calcium	250000				Р	
7440-47-3	Chromium	10.1		E		Р	I
7440-48-4	Cobalt	4.1	В			Р	`
7440-50-8	Copper	1.4	U			Р	
7439-89-6	Iron	11100				Ρ	
7439-92-1	Lead	14.4				Р	
7439-95-4	Magnesium	53600				Р	
7439-96-5	Manganese	750				Р	
7439-97-6	Mercury	0.1	U			AV	
7440-02-0	Nickel	11.2	В			Р	 
7440-09-7	Potassium	7550		E		Р	1
7782-49-2	Selenium	4.9	U			Р	UJ
7440-22-4	Silver	1.0	U			Р	<i>(2)</i>
7440-23-5	Sodium	39500	- U			P	1.7
7440-28-0	Thallium	2.6	<del></del>	N		P P	47
7440-62-2 7440-66-6	Vanadium Zinc	25.4	<del>- </del>	E		P	
57-12-5	Cyanide	0.6	- U			AS	I
							8/29/06
Color Before:	LT.YELLOW	Clarity Before:	CLEAR	<del></del>	Texture:	·	
Color After:	LT.YELLOW	Clarity After:	CLEAR	<del></del>	Artifacts:		
Comments:							

FORM I - IN

### INORGANIC ANALYSIS DATA SHEET

11/1/10/11

William.

#### EPA SAMPLE NO.

				3-1018
Lab Name: GCAL	Contract:			
Lab Code: LA024 Case No.:	SAS No.:		SDG No.:	206061509
Matrix: ( soil / water ) Water	Lab Sample ID:	20606150915		
Level: ( low / med )	Date Received:	06/16/06		
% Solids:				
Concentration Units (ug/L or mg/kg dry weight): ug/L				

CAS No.	Analyte	Concentration	С	Q	M	7
7429-90-5	Aluminum	26400		E	Р	7.
7440-36-0	Antimony	4.0	U		P	1
7440-38-2	Arsenic	15.5			Р	7
7440-39-3	Barium	204			Р	7
7440-41-7	Beryllium	1.4	В		Р	1
7440-43-9	Cadmium	0.1	U		Р	7
7440-70-2	Calcium	412000			Р	7
7440-47-3	Chromium	36.5		E	Р	15
7440-48-4	Cobalt	26.2	В		Р	1
7440-50-8	Copper	22.1	В		P	7
7439-89-6	Iron	56900			P	1
7439-92-1	Lead	40.1			Ρ	1
7439-95-4	Magnesium	96100			Р	1
7439-96-5	Manganese	3250		····	Р	1
7439-97-6	Mercury	0.1	U	, , , , , , , , , , , , , , , , , , ,	AV	1
7440-02-0	Nickel	51.5			Р	1
7440-09-7	Potassium	12400		E	Р	15
7782-49-2	Selenium	4.9	U		Р	45
7440-22-4	Silver	1.0	U		Р	45
7440-23-5	Sodium	37900			Р	1
7440-28-0	Thallium	2.6	U	N	P	45
7440-62-2	Vanadium	12.6	В		P	1
7440-66-6	Zinc	148		Е	Р	7 7
57-12-5	Cyanide	0.7	В		AS	1

8/27/06

Color Before:	DK.BROWN	Clarity Before:	CLEAR	Texture:	
Color After:	DK.BROWN	Clarity After:	CLEAR	Artifacts:	· · · · · · · · · · · · · · · · · · ·
Comments:	·				

FORM I - IN

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### EPA SAMPLE NO

L	$\overline{}$	3	A1L.	ᆫᆫ	1.4	O.	

	i	NORGANIC ANALYSI	S DATA SHEET	SK-	GW63DUPE	E-1018
Lab Name: (	GCAL	Cont	tract:			
Lab Code: L	A024 Case No.:	SAS	No.:	SDG	No.: 2060	61509
Matrix: ( soil / v	water) Water	Lab Sa	imple ID: 206061	50916		
Level: ( low / n	ned)	Date R	eceived: 06/16/0	6		
% Solids:		·				
Concentration	n Units (ug/L or mg/kg dry weig	ht): ug/L				
CAS No.	Analyte	Concentration	С	Q	М	]
7429-90-5	Aluminum	18600		E	P	1 5
7440-36-0	Antimony	4.0	U		Р	1
7440-38-2	Arsenic	5.1	В		Р	1
7440-39-3	Barium	154	В		Р	]
7440-41-7	Beryllium	0.9	В		Р	1
7440-43-9	Cadmium	0.1	U	<del></del>	Р	
7440-70-2	Calcium	323000			Р	1
7440-47-3	Chromium	25.7		E	P	15
7440-48-4	Cobalt	18.6	В		P	1
7440-50-8	Copper	16.2	В		P	]
7439-89-6	iron	39400			Р	}
7439-92-1	Lead	30.8			Р	]
7439-95-4	Magnesium	76200			Р	
7439-96-5	Manganese	2570			Р	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	37.2	В		Р	
7440-09-7	Potassium	10500		E	Р	5
7782-49-2	Selenium	4.9	U		Р	J 445
7440-22-4	Silver	1.0	U	<del></del>	Р	UJ
7440-23-5	Sodium	33100			P	
7440-28-0	Thallium	2.6	U	N	Р	45
7440-62-2	Vanadium	1.2	Ü		Р	
7440-66-6	Zinc	109		E	Р	.2
57-12-5	Cyanide	0.6	U		AS	
						8129/01 M
Color Before:	DK.BROWN	<del></del>	CLEAR	Textu		
Color After:	DK.BROWN	Clarity After: C	CLEAR	Artifac	ots:	
Comments:						

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(Lippe)

1 EPA

EPA		

Laib Code: LA024 Ca  Matrix: ( soil / water ) Water  Level: ( low / med )  % Solids:  Concentration Units (ug/L or mg/k)  CAS No. Analy  7429-90-5 Aluminum  7440-36-0 Antimony  7440-38-2 Arsenic  7440-39-3 Barium  7440-41-7 Beryllium  7440-43-9 Cadmium  7440-47-3 Chromium  7440-48-4 Cobalt  7440-50-8 Copper  7439-89-6 Iron  7439-92-1 Lead	ase No.:	Lab Sam	act:	SDG	M P P P P P	31509 
Level: ( low / med )         % Solids:         Concentration Units (ug/L or mg/k)         CAS No.       Analy         7429-90-5       Aluminum         7440-36-0       Antimony         7440-38-2       Arsenic         7440-39-3       Barium         7440-41-7       Beryllium         7440-43-9       Cadmium         7440-70-2       Calcium         7440-48-4       Cobalt         7440-48-4       Copper         7440-50-8       Copper         7439-89-6       Iron         7439-92-1       Lead	cg dry weight) :	SAS N  Lab Sam  Date Rec  ug/L  ncentration  14100  4.0  11.6  298  0.8  0.1  240000	lo.:	0150917 706 Q	M P P P P P	
Matrix: ( soil / water ) Water  Level: ( low / med )  % Solids:  Concentration Units (ug/L or mg/k)  CAS No. Analy  7429-90-5 Aluminum  7440-38-2 Arsenic  7440-39-3 Barium  7440-41-7 Beryllium  7440-43-9 Cadmium  7440-47-3 Chromium  7440-48-4 Cobalt  7440-50-8 Copper  7439-89-6 Iron  7439-92-1 Lead	cg dry weight) :	Lab Sam  Date Rec  ug/L  ncentration  14100  4.0  11.6  298  0.8  0.1  240000	C U B	0150917 706 Q	M P P P P P	
Level: (low / med )         % Solids:         Concentration Units (ug/L or mg/k)         CAS No.       Analy         7429-90-5       Aluminum         7440-36-0       Antimony         7440-38-2       Arsenic         7440-39-3       Barium         7440-41-7       Beryllium         7440-43-9       Cadmium         7440-47-3       Chromium         7440-48-4       Cobalt         7440-50-8       Copper         7439-89-6       Iron         7439-92-1       Lead	kg dry weight) :	Date Red  ug/L  ncentration  14100  4.0  11.6  298  0.8  0.1  240000	C U B	/06 Q	P P P P	Ī
% Solids:  Concentration Units (ug/L or mg/k)  CAS No. Analy  7429-90-5 Aluminum  7440-36-0 Antimony  7440-38-2 Arsenic  7440-39-3 Barium  7440-41-7 Beryllium  7440-43-9 Cadmium  7440-70-2 Calcium  7440-47-3 Chromium  7440-48-4 Cobalt  7440-50-8 Copper  7439-89-6 Iron  7439-92-1 Lead	kg dry weight):	ug/L ncentration 14100 4.0 11.6 298 0.8 0.1 240000	C U	Q	P P P P	Ĩ
% Solids:  Concentration Units (ug/L or mg/k  CAS No. Analy  7429-90-5 Aluminum  7440-36-0 Antimony  7440-38-2 Arsenic  7440-39-3 Barium  7440-41-7 Beryllium  7440-43-9 Cadmium  7440-70-2 Calcium  7440-47-3 Chromium  7440-48-4 Cobalt  7440-50-8 Copper  7439-89-6 Iron  7439-92-1 Lead	kg dry weight):	ug/L ncentration 14100 4.0 11.6 298 0.8 0.1 240000	C U	Q	P P P P	Ţ
CAS No. Analy 7429-90-5 Aluminum 7440-36-0 Antimony 7440-38-2 Arsenic 7440-39-3 Barium 7440-41-7 Beryllium 7440-43-9 Cadmium 7440-70-2 Calcium 7440-48-4 Cobalt 7440-50-8 Copper 7439-89-6 Iron 7439-92-1 Lead		ncentration  14100  4.0  11.6  298  0.8  0.1  240000	U		P P P P	Ţ
7429-90-5 Aluminum 7440-36-0 Antimony 7440-38-2 Arsenic 7440-39-3 Barium 7440-41-7 Beryllium 7440-43-9 Cadmium 7440-70-2 Calcium 7440-47-3 Chromium 7440-48-4 Cobalt 7440-50-8 Copper 7439-89-6 Iron 7439-92-1 Lead	rte Co	14100 4.0 11.6 298 0.8 0.1 240000	U		P P P P	Ţ
7440-36-0 Antimony 7440-38-2 Arsenic 7440-39-3 Barium 7440-41-7 Beryllium 7440-43-9 Cadmium 7440-70-2 Calcium 7440-47-3 Chromium 7440-48-4 Cobalt 7440-50-8 Copper 7439-89-6 Iron 7439-92-1 Lead		4.0 11.6 298 0.8 0.1 240000	В	E	P P P	J
7440-38-2 Arsenic 7440-39-3 Barium 7440-41-7 Beryllium 7440-43-9 Cadmium 7440-70-2 Calcium 7440-47-3 Chromium 7440-48-4 Cobalt 7440-50-8 Copper 7439-89-6 Iron 7439-92-1 Lead		11.6 298 0.8 0.1 240000	В		P P	
7440-39-3 Barium 7440-41-7 Beryllium 7440-43-9 Cadmium 7440-70-2 Calcium 7440-47-3 Chromium 7440-48-4 Cobalt 7440-50-8 Copper 7439-89-6 Iron 7439-92-1 Lead		298 0.8 0.1 240000			Р	
7440-41-7 Beryllium 7440-43-9 Cadmium 7440-70-2 Calcium 7440-47-3 Chromium 7440-48-4 Cobalt 7440-50-8 Copper 7439-89-6 Iron 7439-92-1 Lead		0.8 0.1 240000				
7440-43-9 Cadmium 7440-70-2 Calcium 7440-47-3 Chromium 7440-48-4 Cobalt 7440-50-8 Copper 7439-89-6 Iron 7439-92-1 Lead		0.1 240000			Р	
7440-70-2 Calcium 7440-47-3 Chromium 7440-48-4 Cobalt 7440-50-8 Copper 7439-89-6 Iron 7439-92-1 Lead		240000	U			
7440-47-3 Chromium 7440-48-4 Cobalt 7440-50-8 Copper 7439-89-6 Iron 7439-92-1 Lead					Р	
7440-48-4 Cobalt 7440-50-8 Copper 7439-89-6 Iron 7439-92-1 Lead		30.8			Р	
7440-50-8 Copper 7439-89-6 Iron 7439-92-1 Lead		30.0		E	Р	J
7439-89-6 Iron 7439-92-1 Lead		12.9	В		P	
7439-92-1 Lead		15.1	В		Р	
		33500			Р	
439-95-4 Magnesium		19.8			Р	
		62000			Р	
439-96-5 Manganese		920			Р	
7439-97-6 Mercury	***************************************	0.1	U		AV	
7440-02-0 Nickel		30.1	В		Р	
7440-09-7 Potassium		7900		Е	Р	3 45
732-49-2 Selenium		4.9	U		Р	45
440-22-4 Silver		1.0	U		P	45
440-23-5 Sodium		29200			Р	
440-28-0 Thallium		2.6	U	N	P	UJ
'440-62-2 Vanadium		1.2	U		Р	
7440-66-6 Zinc		83.9		E	Р	·7
7-12-5 Cyanide		0.6	U		AS	

FORM I - IN

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### INORGANIC ANALYSIS DATA SHEET

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· 10 pp · · '

7440-09-7

7782-49-2

7440-22-4

7440-23-5

7440-28-0

7440-62-2

7440-66-6

57-12-5

EPA SAMPLE NO.

SK-GWFR-1018

					OK OWE	5 1010
Lab Name:	GCAL	······································	Contract:	L.		
Lab Code:	LA024	Case No.:	SAS No.:		SDG No.:	206061509
Matrix: ( soil	/ water ) Wate	r	Lab Sample ID:	20606150922		
Level: (low/	med)		Date Received:	06/16/06		
% Solids: _						

CAS No. Analyte Concentration C Q Μ В 7429-90-5 Aluminum 15.8 Р 7440-36-0 4.0 Ū Р Antimony 7440-38-2 4.0 Ū Р Arsenic 7440-39-3 Barium 0.2 В P 0.5 Ū 7440-41-7 Beryllium P 7440-43-9 Cadmium 0.1 U Ρ 7440-70-2 Calcium 36.6 В Ρ 7440-47-3 Chromium 0.4 Ū P P 7440-48-4 Cobalt 0.7 Ū 7440-50-8 Copper 1.4 Ū P 7439-89-6 12.9 U Ρ iron 7439-92-1 1.8 Ū P Lead 19.8 7439-95-4 U P Magnesium P 7439-96-5 0.3 ΰ Manganese 7439-97-6 Mercury 0.1 U ΑV 7440-02-0 0.5 U Nickel P

64.8

4.9

1.0

49.1

2.6

1.2

0.7

0.6

В

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ug/L

Concentration Units (ug/L or mg/kg dry weight):

Potassium

Selenium

Silver

Zinc

Sodium

Thallium

Cyanide

Vanadium

uJ

P

Р

P

P

P

P

P

AS

Z

8/29/06M2

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					

### INORGANIC ANALYSIS DATA SHEET

FΡΔ	SAMPL	FNI	٦

					SK-GW6	1-1018(DISS)	
Lab Name:	GCAL		Contract:				
Lab Code:	LA024	Case No.:	 SAS No.:		SDG No.:	206061509	
Matrix: ( soil	/ water )	Water	Lab Sample ID:	20606150923			
Level: ( low /	/ med ) _	****	Date Received:	06/16/06			
% Solids:							

Concentration Units (ug/L or mg/kg dry weight) : ug/L

1001-7

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	14.8	U		Р
7440-36-0	Antimony	4.0	U		Р
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	46.6	В		Р
7440-41-7	Beryllium	0.5	U		P
7440-43-9	Cadmium	0.1	U		Р
7440-70-2	Calcium	237000			Р
7440-47-3	Chromium	3.8	В		Р
7440-48-4	Cobalt	1.2	В		Р
7440-50-8	Copper	1.4	U		Р
7439-89-6	Iron	641			Р
7439-92-1	Lead	1.8	U		Р
7439-95-4	Magnesium	49000			Р
7439-96-5	Manganese	617			Р
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	3.5	В		P
7440-09-7	Potassium	6730			Р
7732-49-2	Selenium	4.9	U	N	Р
74-10-22-4	Silver	1.0	U		Р
7440-23-5	Sodium	41300			Р
7440-28-0	Thallium	2.6	U	· · · · · · · · · · · · · · · · · · ·	Р
7440-62-2	Vanadium	1.2	Ü	· · · · · · · · · · · · · · · · · · ·	Р
7440-66-6	Zinc	0.7	U		Р

us

8/25/06

Co'or Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Co or After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					

EPA SAMPLE NO		EP	Α	SA	۱M	PL	Ε	Ν	C
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Cclor Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	<u></u>

Comments:

4/11/11/14

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#### EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEE	INORGANIC	ANALYSIS	DATA	SHEE
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SK-GW63DUPE-1018(DISS)

Lab Name:	GCAL	Conf	tract:	<u></u>			
Lab Code: L	A024 Case No.:	SAS	No.:		SDG No.:	20606	31509
Matrix: ( soil /	water) <u>Water</u>	Lab Sa	ample ID:	20606150925			
Level: ( low / n	ned)		Received:		······································	<del> </del>	and the state of t
% Solids:		54.0	_	00/10/00			
Concentration	n Units (ug/L or mg/kg dry weigh	nt) : ug/L					
					<del></del>	<del>- ; ,</del>	
CAS No.	Analyte	Concentration	C	Q		M	
7429-90-5 7440-36-0	Aluminum	14.8	Ü			$\frac{P}{P}$	
	Antimony	4.0	U				
7440-38-2	Arsenic	4.0				P	
7440-39-3	Barium	34.8	B			P	
7440-41-7 7440-43-9	Beryllium Cadmium	0.5	Ü			$\frac{P}{P}$	
		204000					
7440-70-2 7440-47-3	Calcium Chromium	2.8	В			P	
7440-47-3	Cobalt	1.7	В			P	
7440-48-4 7440-50-8		1.4	Ü			P	
7439-89-6	Copper	209		<del></del>		P	
7439-89-6 7439-92-1	Lead	1.8	U	<del></del>		-	
7439-92-1 7439-95-4		44400	U			- <del>P</del> -	
	Magnesium					<del>-</del>	
7439-96-5	Manganese	1400					
7439-97-6	Mercury	0.1	U			AV	
7440-02-0	Nickel	2.8	В			Р	
7440-09-7	Potassium	6630				P	115
7782-49-2	Selenium	4.9	U	N		P	us
7440-22-4	Silver	1.0	U			P	
7440-23-5	Sodium	35600				P	
7440-28-0	Thallium Vanadium	2.6	U U			P	
7440-62-2 7440-66-6	Zinc	0.7	<del>U</del>	····		P	
						,	glicio in
Color Before: Color After:	COLORLESS COLORLESS	· —	CLEAR		Texture:		
Comments:							

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#### INORGANIC ANALYSIS DATA SHEET

14100

EPA SAMPLE NO.

SK-G	W58-	1018(D	iSS)	

	.,	SK-GW5	58-1018(DISS)		
Lab Name: (	3CAL	Contra	act:		
Lab Code: L	A024 Case No.:	SAS	lo.:	SDG No.:	206061509
Matrix: ( soil / v	water) <u>Water</u>	Lab San	nple ID: _2060615	50926	
Level: (low/m	ned)	Date Re	ceived: 06/16/0	6	
% Solids:	· · · · · · · · · · · · · · · · · · ·			***************************************	
Concentration	Units (ug/L or mg/kg dry weigh	tt): ug/L  Concentration	c	Q [	M
7429-90-5	Aluminum	14.8	U		P
7440-36-0	Antimony	4.0	Ü		P
7440-38-2	Arsenic	4.0	U		Р
7440-39-3	Barium	230			P
7440-41-7	Beryllium	0.5	U		Р

CAS No.	Analyte	Concentration	C	Q	M	1
7429-90-5	Aluminum	14.8	U		Р	7
7440-36-0	Antimony	4.0	Ü		Р	7
7440-38-2	Arsenic	4.0	U		P	7
7440-39-3	Barium	230			Р	7
7440-41-7	Beryllium	0.5	U		Р	7
7440-43-9	Cadmium	0.1	U		Р	7
7440-70-2	Calcium	101000			Р	7
7440-47-3	Chromium	2.7	В		Р	7
744-0-48-4	Cobalt	0.7	Ú		Р	7
7440-50-8	Copper	1.4	U		Р	7
7439-89-6	Iron	826			Р	7
7439-92-1	Lead	1.8	U		Р	7
7439-95-4	Magnesium	34700			Р	7
7439-96-5	Manganese	187			Р	7
7439-97-6	Mercury	0.1	Ü		AV	1
7440-02-0	Nickel	1.0	В		Р	7
7440-09-7	Potassium	5160			Р	1
7782-49-2	Selenium	4.9	U	N	Р	นร
7440-22-4	Silver	1.0	Ü		P	1
7440-23-5	Sodium	36700			Р	7
7440-28-0	Thallium	2.6	U		Р	1
7440-62-2	Vanadium	1.2	U		Р	7
7440-66-6	Zinc	0.7	U		P	1

8/29/01,

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	·
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					

### INORGANIC ANALYSIS DATA SHEET

Ningga P

#### EPA SAMPLE NO.

Lab Name: G	CAL	Contra	act:			
Lab Code: LA	024 Case No.:	SAS	No.:	SDG 1	No.: 2060	061509
Matrix: ( soil / w	vater) Water	Lab San	nple ID: 20606	150929		
Level: ( low / me	ed )		ceived: 06/16/		<del></del>	<del></del>
% Solids:	<del></del>	Dale Ne	ceived. <u>00/10/</u>	06		
70 00 Hdo.	······································					
Concentration	Units (ug/L or mg/kg dry weigh	it): ug/L				
CAS No.	Analyte	Concentration	ć	Q	M	7
7429-90-5	Aluminum	14.8	U		Р	1
7440-36-0	Antimony	4.0	U		Р	1
7440-38-2	Arsenic	4.0	U		Р	
7440-39-3	Barium	0.1	В		Р	]
7440-41-7	Beryllium	0.5	Ü		Р	]
7440-43-9	Cadmium	0.1	U		Р	]
7440-70-2	Calcium	81.3	В		Р	
7440-47-3	Chromium	0.4	U		Р	
7440-48-4	Cobalt	0.7	U		P	
7440-50-8	Copper	1.4	U		Р	]
7439-89-6	Iron	12.9	U		Р	]
7439-92-1	Lead	1.8	U		Р	]
7439-95-4	Magnesium	23.2	В		Р	
7439-96-5	Manganese	0.3	U		Р	]
7439-97-6	Mercury	0.1	U		AV	]
7440-02-0	Nickel	0.5	U		Р	]
7440-09-7	Potassium	42.6	U		Р	_
7782-49-2	Selenium	4.9	U	N	Р	US
7440-22-4	Silver	1.0	U		Р	]
7440-23-5	Sodium	49.1	U		Р	
7440-28-0	Thallium	2.6	U		Р	
744))-62-2	Vanadium	2.0	В		Р	
7440-66-6	Zinc	0.7	U		Р	
						Stallox
						z/ \
						M
Color Before:	COLORLESS	Clarity Before: CL	.EAR	Texture	): 	
Color After:	COLORLESS	Clarity After: CL	EAR	_ Artifact	s:	
Comments:			•			

( - ( A   III	CHAIN OF CUSTER	MECORD		
Lab us 7979 GSRI Avenue. Baton Rouge, Louisiana 70820-7402 Phone 225.769.4900 • Fax 225.767.5717	Earth Tech Client Name	५३५७ Client #	706061509 Workorder #	6-29-6 Due Date
Report to:  Client: La-TL Tech  Address: Z313 Progra Drive Address  Lelina ky 41042  Contact: P-t 1400 in Contact  Phone: SSG A42-2300 Phone  Fax: SSG A42-2300 Phone  Fax: SSG A42-2301 Fax  P.O. Number Project Name/Number  SAZBO. O1  Sampled By:  L+ (4 19 91 5 1 7 11  Matrix Date Time (2400)	Bill to:  nt:  s:  (lenn  ct: Lenn  ct: Lenn  ct: Lenn  contract  Arithmetal  oran  reservatives  No  Containers  Oran  Here  3  Oran  Here  3	Aualytical Requests & M  Suni-Voletiles  Pure A  Pure A  Pure A  Pure A  Pure A  Control on the le  X  Control	Remarks:  Tafer to talle 7 (  Tab use only:  Custody Seal  used 1988  in tact 1988  Temperature °C  Talle 7 (   Lab ID  /2-55 1 9 77L) 2 20 3 The 4 M 6 The 5	
CW JE-GWTR.	61%	X	infect (	tes 7
	*	Com Somple Volvander  Com Coza - only  Suo c Jer collec	1	BIK - 8
Turn Around Time: 24-48 hrs. 3 days  Refinquished by: (Signature) Received by: (Signature)  Relinquished by: (Signature) Received by: (Signature)	\(\frac{\lambda}{\lambda}\) \(	Other Standard To	mit Vic Tot DEX - Tigree to the terms and overn' ent schedule of services.	2 si esi tod
Relinquished by: (Signature)  Received by: (Signature)	6-/5-06 940 (ure) Date: Time:	By submitting these samples, you ag conditions contained in our most rec	yree to the terms and ent schedule of services.	ght Deliver

gotir coasy awat riicae casolia romes, inc 7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402 Phone 225.769.4900 • Fax 225.767.5717	Lab use only  Earth 4  Client Name	ch	4342 Client #	2060 615 0 9 Workorder #	6-2406 Due Date
Report to:  Client: EurTh TCCh  Address: ZJ77 Progress Daile  Hehran Ky 41049  Contact: Pat Higgins  Phone: 654 412-271  P.O. Number Project Name/Number  SAZEO, O Sampled By:  Pat Higgins  Sampled By:  Pat Higgins  Sample Description	Client Name  Bill to:  Client:  Address:  Contact:  Phone:  Fax:  The Contact	es No Containers		Workorder #  Method  Lab use only:  Custody Seal  used Tye  in tact Tye  Temperature °C  Remarks:  Refer to  Table 7 (  and Table  (TAL) of  Final Octors	Lab ID  Lab ID  AS  7(L)  The  M  The  List
Received by: (Signature) Received by	3 days	dard Other Time: Note:	f Stunderd Tu # Simples Sent	- Vi4 FED GX- 12-10-14  Outrain	4

Received by: (Signature) Matrix\*: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube. A = air bad

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

# Semples Sent Vik FED UX- 17-10-ty
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mitting these samples, you agree to the terms and
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/979 G	SRI Ave Phone 2	nue. Bato 25.769.4	on Roi 900 •	uge, L Fax	ouisiana 70820-7402 225.767.5717	L	Client Name	ICCN					Clier					orkorder #		Due Date	
idress ontac	:: <u>Z</u>   <del>  </del>  : <u> </u>	4-TL 573 6-0-1	P. V	~ e, i	41045 ins	Client:  Address:  Contact:	to:				Anal	ytical	Rec	uest	s & M	ethod		Lab use only:  Custody Seal  used in tact  Temperature of	yes □no		
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unqu CA	isned b	y: (Signa			Iro .	y: (Signature)	4/14/06	ime:	No	te:	£ 5	t. C.	n ed a	تعه -	T	v - ~ · .	~66 ^	d DEX Prio			
mgu	en	Signa	iure)		received by	(Signature)	Date: T	ime:	1												

Matrix1: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube. A = air ban

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By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

	Снаі	N OF CUST	אטען	Reco	RD					<b>i</b>	<del></del>
Gulf coast analytic Laboratories, INC 7979 GSRI Avenue, Boton Rouge, Louisiana 70820-7402 Phone 225 769 4900 • Fax 225 767.5717		outh lich	·		ļ .	1347_ Client #		20606		<del></del>	bue Date
Report to:  Client: Earth Tech  ddress: Z373 Proposition Rouge, Louisiana 70020-7402  Phone 225.769.4900 • Fax 225.767.5717  Report to:  Client: Earth Tech  ddress: Z373 Proposition  Phone: 954 442-2300  Fax: 854 442-2300	Client:  Client:  Address: Contact: Phone: Fax:  Landfill-Zac  Client:	Preservatives Candrace  Various I  I+cu  I+cu  I+cu  I+cu  I+cu	No Con- iners  7  7  7  7  7  7  7  7  7  7  7  7  7	X Sui - Volatiles		Client # al Fieque	sts & Mo		Remarks:	TCL)  Ale 8  The	Due Date
Received by: (Signature)  Received by: (Signature)  Received by: (Signature)  Received by: (Signature)	Dy: (Signature)  Da  L		:: N	Other		to solu	, l	T Vio	FED EX-P ms and ONe of services.	rior. I	1) Deliver

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GULT COAST ANALYTI LABOR 7979 GSRI Avenue. Bato Phone 225.769.4	n Rouge, Louisiana 900 • Fax 225.767	Lab use only a 70820-7402	ことではない。 Client Name			<u> 434</u> Спе	2 ent #	Sopop	Vorkorder #	6 · 30 · 06 Due Date
Client: EAT Address: ZZ 13 Address: ZZ 13 Address: Fa + Phone: BS9 Fax: S.59	1-1-1-1512 A 42 - 230  Project Name	Client:  Address: Contact: Phone: Fax:	prings Countral		- En (2)	t. 1,	dnests & W	ethod	Lab use only:  Custody Seal  used yes  in tact yes  Temperature °C	
54280.00 ampled By:	skinn Higgina	er Lundfill- Znd Q  : Delles (irines  le Description		Volut	Pc 15.5	Total Me	Dissalved Sylvade		Remarks:	Lab ID
W 6/14/455 W 6/14/505	x si x si	-4wlez -1018 ~ (awlez D) pe -101	Variosi 7 8 Varies, 7		< X .	XX	УУ УХ		Refor to	
									Luch Table (TAL) of First Oil First Oil Complete I: of analyt	76 M
Turn Around Time: Relinquished by: (Signal Rel	f)(je)	S. 3 days 1 week  Received by: (Signature)  Received by: (Signature)  Received by: (Signature)	Date: Time:  Date: Time:  Date: Time:  Date: Time:  Time:	Ot Note:	her	it - di	nples, you ag	t vic		14 412 -

( - (, `A   , 🖭 🕝	CHAIN OF CUSTON R	ECORD		<del>-</del>
7979 GSRI Avenue. Baton Rouge, Louisiana 70820-7402 Phone 225.769.4900 • Fax 225.767.5717	use only E With Tech		206061509	6-30-06
Phone 225.769.4900 • Fax 225.767.5/17	Client Name	Client #	Workorder #	Due Date
ddress: 7373 Pro4455 De Addr Heber KY 41646 Contact: 70+ Higgins Con Phone: 654 442-2300 Ph Fax: 654 442-2311	tact: Spring to the control one:  Fax:  Of: 11 - Znv Ctr. 2006  Preservatives Containers  1013  Various 7	Analytical Requests & Methor  Society 115  Society 125  S	Remarks:	Lab ID  Lab ID  17, 26  (T(L) 18, 14, 2
Turn Around Time: 24-48 hrs. 3 days  Relinquished by: (Signature)  Relinquished by: (Signature)  Received by: (Signature)  Received by: (Signature)  Received by: (Signature)  Received by: (Signature)	nature)  Date: Time: Not to the policy of th	Other  e:	via Feb Ex - D.  of the terms and chedule of services.	ionity enight Nelinta

	Chain of Ci	וייי ביי ביי	T FRECORD		<i>-[</i>
GULF COAST ANALYTIC ALABORATORIES, INC /9/9 GSHI Avenue, Baton Rouge, Louisiana 70820-7402 Phone 225.769.4900 • Fax 225.767.5717	Lab use only בושא'ה 'נע' Client Name	<u>, h</u>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	206061509 Workorder #	6-36-06 Due Date
Report to:  Client: Farth TP(h  Address: 2373 P-4235 Daile  [Helgrin, Kx 41098  Contact: Tat Highias  Phone: 659 441-2300  Fax: 059 412-2301  P.O. Number Project Name/Number	Bill to:  Client:  Address:  Contact:  Phone:  Fax:	1	Analytical Hequests & M	Aethod  Lab use only:  Custody Seal  used yes  in tact yes  Temperature °C _	no no
54280.01 Shinn L	-dfill- 2nd Cetr. 200	<u></u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Sampled By: Pat Highing	Pallas Grines				Lab ID
Matrix <sup>1</sup> Date Time C G G Sample Description		No Con- tainers	PCP TO to	Remarks:	/ 0.55
5x 10/12 005 X 5k 6w5	6 1018 Various	ç - <del>'</del> - <del>'</del> -	XXXXX	Riter to	2
6/15/000 X Sk-Gw	EB-1018 Varia	, 7	XXXXXX	Table 70	7CL) 27 29 6 % 14,20°, 28 1 Lu
CM (15 1000 X SK-5US	3, M.D - 10 19 1/41.WE	. 7	1 1 2 2 2 2	and Tayl	e C 19,20, 28
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Lat Har FED	EX 6/15/06	1800	Note:	- Ur wa- 0 - 20	į
Relinquished by: (Signature) Received by	: (Signature) Date:	Time:	S. 20100	FUR EX- P.	-10-124
	: (Signature) Date:	Time:	By submitting these samples, you a conditions contained in our most re-		night islimy